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Chemical Corporation Data Published by SEC

OPD Washington Bureau
June 1, 1939

The Securities and Exchange Commission made public today a report summarizing selected data on twenty-one manufacturers of chemicals and fertilizers having assets in excess of $10,000,000 each and registered under the securities exchange act.

This report, the sixteenth in a series based on the WPA census of American listed corporations, provides individual data for each of the companies and also combined data for all companies in each of the groups. Included in the data on individual companies are a general survey, the names of the parents and subsidiaries of each company, the outstanding security issues of each company, sixteen financial and operating ratios for each company, salary data for each company, and individual balance sheets, profit and loss statements, and surplus reconciliations. The combined data for each group as a whole include a balance sheet, a profit and loss statement, a surplus reconciliation, totals of selected expense items, and sixteen financial and operating ratios.

Copies of the summary on manufacturers of chemicals and fertilizers, as well as of the summaries on meat packers, manufacturers of containers and closures, and chain grocery and food

—Continued on page 56

Canadian Pests' Control Act Is Amended

A number of amendments have been made to the Canadian agricultural pests' control act. The amendments were passed for the purpose of bringing the legislation up to date and making more effective government regulation over the sale of pest control products.

The original act provides that no agricultural pest control product can be manufactured, imported, advertised or offered for sale in Canada unless the product has been registered with the Canadian Department of Agriculture and assigned a registration number. Amendments have been made to the section specifying the information which must be furnished in an application for registration. Every application for registration of a pest control product must be accompanied by a statement giving the name and address of the manufacturer, importer or vendor applying for registration; the name and percentage by weight of each ingredient in the pest control product; the brand name; a guarantee indicating the strength, effectiveness and other qualities of the product; the purpose of the product and any other information required by the Department of Agriculture.

To establish a definite connection between the registration and labeling of a product, the name and address of the

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Mining Claims Work Required by July 1

OPD Washington Bureau
May 29, 1939

Secretary of the Interior Harold L. Ickes today warned holders of thousands of mining claims on public lands in the West and in Alaska that $100 worth of work must be performed on the claims before July 1, in order to retain ownership to their property.

Calling attention to recent developments in the United States Senate, during the course of which legislation proposing exemption from this "annual assessment work" was indefinitely postponed with no prospects for its enactment this session the secretary emphasized the importance of mineral claimants' compliance with this feature of the general mining laws. Failure to perform the work on claims in continental United States, it was explained, may result in efforts to relocate the claim by a competitor; in Alaska, the claim will be forfeited.

Customs Court Replacement Asked

OPD Washington Bureau
May 29, 1939

A bill to (H.R. 6472) abolish the United States Customs Court has been introduced by Representative Lawrence J. Connery, of Massachusetts. The bill would substitute a board of general appraisers composed of nine members appointed by the President for terms of five years.

Chemical Mixtures Duty Ruling Reversed

OPD Washington Bureau
May 29, 1939

A deadlock in the Court of Customs and Patent Appeals today resulted in the reversal of an important decision which would have had the effect of placing a narrow interpretation on paragraph 5, of the tariff act, the chemical basket clause.

The case is that of Walter T. Ueland, Quong Yuen Shing & Company against the United States, and the commodity involved is variously known as 'Vetsin,' vetsin gluten, or 'Gourmet powder,' a flavoring material consisting chiefly of common salt and monosodium glutamate. In its original decision of November 28, 1938, in OIL, PAINT AND DRUG REPORTER December 5, 1938; the court held that the product is dutiable at 20 percent ad valorem as an unenumerated manufactured article rather than at 25 percent as a chemical compound on the ground that one ingredient, salt, is specifically named in the tariff act and that paragraph 5 does not cover compounds containing an article elsewhere named. In so ruling the court reversed a decision of the lower customs court.

The government petitioned for rehearing on the ground that the decision was at variance with an earlier decision of the Appeals Court, U. S. versus Schenker's, Inc., decided under the tariff act of 1922. Since the decision had not been published, the court vacated it and ordered reargument. Judge Jackson did not participate in either

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Manufacturing Chemists Elect du Pont President

Skytop, Pa., June 1, 1939

Foreign affairs, employer-employee relations, and the potentialties of research in industrial progress were the topics of major interest for the Manufacturing Chemists Association of the United States in its sixty-seventh annual meeting here today. The meeting was

E. M. Allen
Retiring M.C.A. President, Elected to Executive Committee

one of the best attended in the history of the organization, the total registration being 180.

E. M. Allen, of Mathieson Alkali Works, president of the association, opened the business session this forenoon with a summary of the history of the organization since in 1872 it succeeded the Oil of Vitriol Manufacturers Association, which had been founded four years earlier. Citing several instances of similarity of their problems to those of today, Mr. Allen expressed appreciation of the work of the pioneers of the American chemical industry and of those who had builded it to impressive proportions under the stress of World War days.

Turning to more recent activities in association circles in the industry, Mr. Allen spoke appreciatively of the Chemical Alliance, still maintained in a serviceably active stand-by condition, and told of the manufacturers' assocation's work in the publication of manuals of information and the compilation of data on the protection of handlers and users of chemicals that present hazards. He also spoke of the association's participation in a survey designed to compile and make public authentic data on the

(c) Ellis

Lammot duPont
Elected M.C.A. President

distribution of the chemical dollar, pointing out the desirability of refuting published statements which are not in accordance with the facts in respect of the industry's costs in wages, taxes, and other items.

New Officers

The report of the nominating committee was presented by August Kochs in the absence because of illness of J. W. McLaughlin, chairman. The nominees were elected by a unanimous vote; the new officers are:—

President, Lammot duPont, of E. I. du-Pont de Nemours & Co., Wilmington, Del.

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Color Certification Hearing On 31 Additions Set for July

OPD Washington Bureau
June 1, 1939

Announcement of a new hearing on coaltar colors for use in foods, drugs, and cosmetics will be made by the Department of Agriculture within a few days, the hearing to be held early in July.

The announcement will list thirty-one new colors proposed to be added to the existing list of colors eligible for certification, and will also propose minor technical changes in the existing regulations and specifications for colors already approved. In the new list will be one new food color, fourteen colors for drugs and cosmetics, and sixteen additional colors for external drugs and cosmetics.

Since the new regulations went into effect the food and drug administration has certified ninety-seven batches of straight and mixed colors for all types of uses, but many of these batches represent the same color produced by different manufacturers. A few batches have been rejected and approximately twenty applications are still under consideration. The administration has developed a technique of certification under which a color may be certified within five or six days after receipt of the application and sample.

The following manufacturers have had one or more colors certified for use in foods, drugs, and cosmetics without restriction, the so-called FD&C class of colors:

Bates Chemical Company, Lansdowne, Pa.

H. Kohnstamm & Co., New York.

National Aniline & Chemical Company, New York.

William J. Stange Company, Chicago.

Warner-Jenkinson Manufacturing Company, St. Louis, Mo.

Calco Chemical Company, Bound Brook, N. J.

Dan Perkins Company, Memphis, Tenn.

The first five companies in the list have also obtained certification for mixtures and repacks.

The Leeben Chemical Company, New York, has obtained certification for repacking certified colors made by other manufacturers.

The following manufacturers have had one or more colors certified in the D&C category, which are approved for use in drugs and cosmetics but not foods:—

Ansbacher Siegle Corporation, Staten Island, N. Y.

Calco Chemical Company, Bound Brook, N. J.

H. Kohnstamm & Company, New York.

National Aniline & Chemical Company, Inc., 351 Abbott Road, Buffalo, N. Y.

Pylam Products Company, 799 Greenwich St., New York.

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Chemical Exports Up Sharply in April

United States exports of chemicals and related products totaled $14,658,500 in April, compared with $14,165,000 in corresponding month a year ago, according to the chemical division of the Department of Commerce. Imports of chemicals and related products in April amounted to a valuation of $19,000,000 in April against $12,875,000 in April a year ago.

Exports of medicinal products for April aggregated $1,809,000 in value, compared with $1,513,000 a year ago. The gain was due largely to heavier foreign shipments of biologicals which increased in value from $226,000 to $525,000 Other items on the chemical and related products export list recording gains in April included chemical specialties, shipments of which increased in value from $2,508,000 to $2,720,000; industrial chemicals, from $2,269,000 to $2,355,000; and paint products including pigments, from $1,465,000 to $1,910,000, statistics indicate.

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Closing Market Developments

London Closing Cable

London, June 2, 1939

Quotations on carnauba wax were 1473 6d per hundredweight.

Tin Salts Firm

Quotations for various tin salts were firm late in the week, and prices remain unchanged. Straits metal closed at 49c. per pound. World visible supply of tin for May declined 2,200 tons to 24,760 tons, the smallest since January, according to the Commodity Exchange.

Goldenseal Quality Uncertain

The quality of goldenseal root held by many firsthand operators is proving more often than not to meet the National Formulary requirements for alkaloidal content. High prices led many small growers to dig their crop before the roots had acquired their normal content of alkaloid. New crops will not be available until next Fall. Therefore, buyers have been advised to purchase subject only to approval after examination, or to buy only such material as is guaranteed to meet N. F. specifications.

Cottonseed Oil Easier

Refined cottonseed oil futures were easier on Friday, weakness in lard causing liquidation for local and outside account. September closed at 6.67c., October 6.73c., and December 6.78c., these prices showing a decline of 15 to 20 points as compared with the final quotations of the previous week. Southern markets for crude oil were quiet.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Cobalt:—The exportation to non-French countries of cobalt from French West Africa, Madagascar, and Martinique, has been prohibited.

Consular Fees: — Argentina has changed its consular fees for shipping documents from gold to a paper basis; certain of the fees are increased.

Laurel Seeds:—The exportation of Alexandrian laurel (calophyllum inophyllum) seeds from French Indochina has been prohibited.

Oils, Seed:—The Italian import surtax on imported seed oils and the corresponding excise tax on domestic oils has been increased from 70 lire to 120 lire per 100 kilos.

Import Origin Mark Sought in House Action

OPD Washington Bureau
May 29, 1939

Extension and clarification of the requirement of the tariff law that imported goods be marked with the country of origin is provided in a resolution (H.J. Res. 308) introduced by Representative Robert M. Doughton of North Carolina.

The resolution would declare to be the intent of the law that the mark of origin be so placed as to be seen by the last purchaser in the United States who could be informed of the country of origin whether the article is brought in its imported form or altered, manufactured, or combined with another article by a treatment which would not necessarily obliterate or conceal the mark.

'Alky-Gas' Legislation Described as Premature

OPD Washington Bureau
May 29, 1939

Hearings were completed today by the senate finance committee on bills to exempt alcohol-gasoline motor fuel blends from the Federal gasoline tax, but committee action is not expected until the house passes a revenue bill later in the month which will contain a provision continuing the gasoline tax which otherwise would terminate June 30.

The principal witness today was Dr. P. Burke Jacobs, of the industrial farm products research division of the Department of Agriculture, and author of a recently published departmental bulletin on "Motor Fuels From Farm Products." He described the legislation as premature, but predicted that

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Chemical Indices Maintained

Price trends still lacked definiteness and predictibility in the market for heavy and fine chemicals. The shift of prices was almost evenly divided between advances and declines which, at the best, were few in number and came in materials of lesser importance, total market groups considered.

Holiday and month-end influences showed in the conservative total volume of trade. Warmer weather tended to improve the movement of refrigerants and agricultural chemicals but, in the main, business was spotty and confined mainly to covering immediate and close at hand needs. Chemical contract prices for the last half of this year had yet to be announced.

Prices were advanced on domestic and Argentina casein, dried menhaden fish scrap, and Japanese sardine meal.

Prices were reduced on gum turpentine and rosin, imported raw and steamed bone, red English vermilion, T.N. and superfine shellac, and unground feeding tankage.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.8, compared with 88.9 at this time last year and 89.6 in 1937.

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J.A. Huisking to Join Fritzsche Brothers July 1

Joseph A. Huisking, secretary of Charles L. Huisking & Co., drug and chemical merchant, this city, has resigned his position after nearly twenty-seven years of service. The resignation becomes effective June 15, and on July 1 Mr. Huisking will join the organization of Fritzsche Brothers, essential oils, aromatics, and perfumers' as well as flavoring manufacturers' compounds,

Joseph A. Huisking

also of this city. Official statements made in connection with Mr. Huisking's new association make no mention of his specific position but it is understood that he will occupy a new and highly important post in the Fritzsche company.

Mr. Huisking is forty-two years of age and began his business career in October, 1912, when, following graduation from St. Augustine's Academy, Brooklyn, he joined the firm founded by his brother, Charles L. Huisking. After a preliminary period of instruction, he was put in charge of essential oil buying. In that capacity he achieved a wide acquaintanceship in the essential oil trade, particularly with the late F. E. Watermeyer, president of Fritzsche Brothers, and F. H. Leonhardt, who succeeded Mr. Watermeyer. When Huisking & Co., incorporated in 1917, Mr.

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Aluminum Co. Antitrust Testimony of U.S. Ended

The government rested its case June 1 in the antitrust trial of the Aluminum Company of American and sixty co-defendants charged with unfair and monopolistic trade practices. The suit, which seeks a decree of dissolution of the alleged monopolistic combination, has been in progress for the last year.

In its presentation the government has contended that the Aluminum company and its subsidiaries have a virtual monopoly in the production of metallic aluminum in the United States, and that by means of its Canadian affiliate, Aluminum, Ltd., the company conspired with principal foreign producers to proportion and monopolize the world trade of aluminum. The defense will start its testimony June 21 before Federal Judge Francis G. Caffey, of this city.

Origin Mark Bill Vetoed by Lehman

Albany, May 30, 1939

Governor Lehman has vetoed the Lake bill designed to add a new section 435-e to the penal law making it a misdemeanor to sell any article of merchandise with knowledge that it does not contain a mark of origin conspicuously displayed thereon, except foodstuff consisting wholly of vegetables manufactured or processed within the United States.

In connection with his veto of the measure the governor quoted the protest made by United States Secretary of State Cordell Hull while the bill was before the legislature. He accepted Secretary Hull's opinion that the results of the bill would be harmful to international trade relations, and said that because of the existence of a Federal mark-of-origin law, the State bill appeared to be unnecessary.

Coconut Oil Tax Repeal Voted Down in Senate

OPD Washington Bureau
May 31, 1939

The senate today passed the Tydings bill (S. 2390) to adjust economic relations between the United States and the Philippine Islands prior to independence, after striking out a committee amendment which would have removed the processing tax from denatured coconut oil.

The amendment went out on a point of order raised by Senator Tom Connally of Texas who argued that it was a provision pertaining to revenue and therefore violated the constitutional requirement that all revenue measures must originate in the house. The senate sustained the point of order by a vote of fifty-four to eight. A similar amendment may be inserted by the house when it considers the bill, but as the measure now stands the processing tax of three cents per pound on the first domestic use of coconut oil remains effective. The amendment would have removed the tax from coconut oil denatured so as to make it unfit for food purposes.

Provisions of the bill as passed make a larger number of amendments to the Philippine independence act to modify economic and financial relationships between the United States and the Commonwealth prior to complete independence of the Philippine Islands on July 4, 1946. One of these provisions permits the importation of a quota of

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Lea Bill Continues Deadlocked in Conference

OPD Washington Bureau
June 1 1939

The Lea bill to postpone the effective date of the new food, drug and cosmetic law was still deadlocked in conference today, although members of the conference committee expressed confidence that some agreement would be reached in time to permit the bill to go to the President before the law becomes effective June 25.

The stumbling block is the amendment added in the senate under the sponsorship of Senator Claude Pepper of Florida and which would make it mandatory on the Secretary of Agriculture to give an exemption from the labeling provisions until July 1, 1940, to any manufacturer submitting an affidavit by December 1, 1939, stating that he has not been able to lay in a stock of new labels and that the public interest will not be harmed by the exemption. Provisions of the bill not in controversy extend the labeling provisions of the law to January 1, 1940, and permit the Secretary of Agriculture to extend certain provisions for an additional six months under stated conditions.

The house and senate conferees have had only one meeting, at which the senate members stood firm for the Pepper amendment and the house members vigorously opposed it. Since then, however, individual members of the conference committee have held informal discussions and a compromise form of the Pepper amendment has been suggested, and there is every expectation that the conferees will reach some sort of an agreement rather than permit the measure to die by default.

Small Business Loans Asked in Mead Bill

OPD Washington Bureau
June 1, 1939

Consideration of several bills to provide insurance by the Federal government on loans by commercial banks to provide credit for small business enterprises was begun today by the senate committee on banking and currency.

Of several bills on the subject, the one most favored appears to be that introduced by Senator James M. Mead of New York which would authorize the Reconstruction Finance Corporation to insure banks against less up to 90 per cent of the loan provided such loans do not bear interest in excess of four per cent. An insurance premium to be set at not more than one per cent would be charged by the Reconstruction Finance Corporation. Senator Mead and other members of Congress were the first witnesses in support of the proposal, and a number of government officials are scheduled to appear at later hearings.

Renovated Oil Tax Asked in House Bill

OPD Washington Bureau
May 29, 1939

A bill (H. R. 6498), to apply the Federal lubricating oil tax to reclaimed lubricating oil, has been introduced in the house by Representative Wesley E. Disney of Oklahoma. The bill would require payment of the tax by any person who cleans, renovates, or refines, used or waste lubricating oil for sale, for hire, or for a valuable consideration.

Colorado Tax Upheld On Voluntary Chains

Denver, May 31, 1939

The Colorado Supreme Court has held that a group of thirty-five independently owned auto supply stores, operating as a voluntary chain under the franchise of Gamble-Skogmo, Inc., come under are subject to the provisions of the State's store license or chain store tax act.

The supreme court, in reversing the findings of the lower court, held that the use of Gamble-Skogmo's name and the use of a uniform store front, as well as contractual relations for supplying merchandise, in effect, gave the Gamble-Skogmo organization control of the stores within the meaning of the act, which has been in force since early 1935.

As a result of the decision of the upper court, Charles M. Armstrong, State treasurer, indicated that an examination of the contracts of all voluntary and co-operative groups would be made in order to determine whether such groups come within the scope of the law as defined by the court.

D.C. Fair Trade Bill Enactment to Be Rushed

OPD Washington Bureau
June 1, 1939

In spite of expressed opposition by President Roosevelt, the house committee on the District of Columbia today voted to press for enactment of the model fair trade bill to legalize resale price maintenance contracts in the District of Columbia.

The bill has been on the house calendar for some weeks, having been reported out without hearings, but because of objections to this procedure the committee recently held hearings without withdrawng the bill from the House. Last week President Roosevelt sent letters to Speaker Bankhead and Vice-President Garner asking that Congress not enact the D.C. fair trade bill until after the completion of studies on resale price maintenance by the Federal Trade Commission and the Temporary National Economics Committee. At a meeting of the District Committee today, however, it was voted to call the bill up for house consideration at the next "District Day," which probably will be June 12.

N.Y. Taxes Extended

Albany, May 30, 1939

Governor Lehman has approved eight emergency tax measures designed to balance the 1939-40 State budget. These bills continue for another year the following "emergency" taxes:—

Tax of 1 cent per gallon on motor fuel.
Additional tax of 1 cent per gallon on motor fuel.
Tax of 2 percent on gross incomes of public utilities.
Tax on stock transfers.
Tax of 1 percent personal incomes.
Increase of 1.5 percent in the normal 4 percent franchise tax on business corporations.
Taxes on estates of residents and non-residents.
Temporary tax of 4 percent on net incomes of unincorporated businesses.

South Carolina Chain Store Tax Increase Bill Killed

Columbia, S. C., May 31, 1939

The South Carolina lower houses today killed a bill providing for an increase in the tax on chain stores in this State to a maximum of $450 a unit. The North Carolina Supreme Court has under advisement a suit challenging the constitutionality of the 3 percent State sales tax.

Coaltar Chemicals Production Declined 13 Percent in 1938

Sales of all synthetic organic chamcals decreased 13 percent, from $284,000,000 in 1937, a year of peak chemical sales, to $246,000,000 in 1938. The decline in coaltar chemicals was 21 percent, from $164,000,000 in 1937 to $130,000,000 in 1938, and in non-coaltar synthetics 3 percent, from $119,000,000 in 1937 to $116,000,000 in 1938, according to the Tariff Commission.

The production of 402,000,000 pounds of coaltar intermediates in 1938 was 30 percent under that in 1937. Phenol and phthalic anhydride, both used in large quantities in manufacturing synthetic resins, were off 32 percent and 39 percent, respectively, in output. The basic commodities, aniline oil and refined naphthalene, were down almost as much. Contrary to the general trend, the 13,000,000 pounds of paradichlorobenzene made in 1938 was almost 12 percent more than in 1937. The production of most of the intermediates used in making dyes was considerably less in 1938.

The output of 81,000,000 pounds of dyes is 33 percent less than in 1937. Sales decreased 26 percent in quantity and 18 percent in value. Sales of unassified dyes, continuing to increase in importance, were 32 percent of the sales value of all dyes as compared with 30 percent in the preceding year. The outstanding changes in the dye trade in 1938 were decreases in sales of sulphur black from 14,000,000 pounds in 1937 to 8,000,000 pounds in 1938, and of synthetic indigo from 18,000,000 pounds to 12,000,000 pounds during the same period. Drastic curtailment in the dye export trade with China is a primary cause of the lessened sales of these and similar cheap, bulk colors.

Color lakes and toners decreased 23 percent in production, 21 percent in sales quantity, and 24 percent in sales value in 1938.

Synthetic medicinals, especially those derived from coaltar, were produced and sold in smaller quantities than in 1937. Sales of those of coaltar origin were valued at $10,000,000 and those of non-coaltar origin at $2,000,000. Sales of 4,000,000 pounds of aspirin were 24 percent less than in 1937. In the non-coaltar medicinal group, aminophylline increased about 40 percent in production.

Coaltar flavor and perfume materials decreased 13 percent in production, 7 percent in quantity of sales, and 18 percent in value of sales in 1938 as compared with 1937; those not derived from coaltar were off 20 percent in production, 19 percent in quantity of sales, and 31 percent in value of sales.

The decline in synthetic resins was in those of coaltar origin, which were 25 percent less in production, 107,000,000 pounds in 1938, and 23 percent less in value of sales, $16,000,000 in 1938, than in 1937. Non-coaltar resins increased 11 percent in production to 23,000,000 pounds, and 24 percent in value of sales to $7,000,000, partly as a result of commercial production of the relatively high-priced vinyl acetals for use in safety glass manufacture.

Synthetics for use in compounding rubber were off about a third in output; accelerators declined more than did other rubber chemicals. In the miscellaneous coaltar chemicals group, photographic chemicals increased slightly in production, and sales value. The output of textile chemicals was 6,000,000 pounds, 83 percent more than in 1937. The production of 10,000,000 pounds of phthalates in 1938 was 31 percent less than in the preceding year.

The output of miscellaneous non-coal-tar synthetics in 1938 was 2,383,000,000 pounds, 5 percent less than in 1937. The decrease in production of acetic acid was 22 percent and of acetic anhydride 35 percent. Sales of acetone were slightly less than in 1937. Butyl

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Florida Phosphates Nationalization Looms

OPD Washington Bureau
May 29, 1939

Secretary of the Interior Harold L. Ickes today ordered an investigation into the advisability of reserving the right of the United States in undeveloped phosphate rock deposits in Florida in connection with applications for sale or lease of any portions of the public domain in that State. These deposits are estimated to comprise a potential supply of 20,000,000,000 tons of phosphate rock.

With more than 66,000 acres in sixteen counties in Florida already included in Federal phosphat reserve areas, the secretary's order calls upon the Geological Survey to determine the value of other tracts of land as a possible source of phosphate before disposal is made by the General Land Office under the public land laws.

Secretary Ickes's action for further protection of the phosphate resources in Florida constitutes another step in the program for cooperation with Congress in the promotion of national conservation, today's order being an adjunct to a comprehensive survey undertaken by a special joint senate and house committee into the phosphate situation in

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Fertilizer Wage Rates Outlined by Labor Dep't.

OPD Washington Bureau
June 1, 1939

Minimum wage rates in the fertilizer industry were recommended by the Public Contracts Board of the Department of Labor today. The recommendations were as follows:—

For the States of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, Pennsylvania, Delaware, Maryland, West Virginia, Ohio, Indiana, Michigan, Wisconsin, Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas and the District of Columbia, 40 cents an hour, or $16 per week of forty hours.

For the States of New Mexico, Colorado, Wyoming, Montana, Idaho, Utah, Arizona, Nevada, California, Oregon and Washington, 50 cents an hour, or $20 per week of forty hours.

For the States of Virginia, Tennessee and Kentucky, 30 cents an hour, or $12 per week or forty hours.

For the States of North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma and Texas, 25 cents an hour, or $10 per week of forty hours.

Oil Compact for Two Years Endorsed by Six States

OPD Washington Bureau
June 1, 1939

A compact extending for two years an agreement for preventing oil and gas waste among the States of Oklahoma, Colorado, New Mexico, Kansas, Michigan and Texas was delivered to President Roosevelt today for submission to Congress. The agreement, already extended once, expires in September. Congress must consent to a renewal. The compact has been signed by the governors of the six States.

Plastic Compound Made By U.S. from Sugarcane

OPD Washington Bureau
June 2, 1939

A plastic compound made from the lignin and cellulose of sugarcane bagasse, one of the country's agricultural waste products, has been manufactured by chemists of the United States Department of Agriculture at the Agricultural By-Products Laboratory, Ames, Iowa. The department chemists found that molding compounds may be made from the bagasse by three methods.

The first, and cheapest, is hydrolysis with acid. Counting the cost of bagasse at $8 a ton, baled and delivered at the factory, the chemists estimate that a plastic compound can be made by this method, in which the cost of material will be slightly more than two cents a pound. Plastics made from the compound are quite moisture-resistant and would be suitable for molding bathroom tile for both floors and walls. They apparently have the wearing ability of wood and may be sanded and repolished through the entire body.

The second method is hydrolysis in the presence of anilin. The material cost of plastics from this process will be more—about 4½ cents a pound—but

—*Continued on page 46*

If your drums are equipped with Tri-Sure

● When all of your drums are equipped with Tri-Sure Closures you know that all of your product will be delivered—and in the same condition it left your plant.

Look at the Tri-Sure Seal and you'll see why. It is positively leak-proof. And it cannot be removed without deliberately destroying it.

This means that *not one drop* can be lost through leakage or pilferage; *not one drop* can be diluted or contaminated. It means that every Tri-Sure shipment is a safe shipment—safe for your product and prestige.

See the Tri-Sure exhibit in the Hall of Industrial Science, Chemicals and Plastics at New York's World Fair.

AMERICAN FLANGE & MANUFACTURING CO. INC.
30 Rockefeller Plaza, New York

Tri-Sure
DRUM CLOSURES
Make Every Shipment a Safe Shipment

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¼- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs. .....lb. 1.02 - —
25 lbs. .....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, comi. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%. al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36% bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .50 - —
boxes, 25 lbs.....lb. .51 - —
kgs., 100 lbs.....lb. .50 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
800 lbs. or less.....lb. .59 - .60
Beric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ton..111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
aks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
aks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .12½- .13
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Acid Chromic, 99%, dms., c.l., dlvd, N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Dms., smaller quantities, dlvd., N. Y...lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., grain., bbls., car lots..lb. .20 - —
10,000-lb, lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms. .....lb. .09¼- .09¾
Corn, dist., dme.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .06¼- .07
tanks .....lb. .06 - —
Cresylic, high-boil, special resin grade, dom., c.l., works, frt. equaled.....gal. .63 - —
l.c.l., same basis.....gal. .64 - —
other grades, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .69 - —
l.c.l., same basis.....gal. .71 - —
Imported, pale, dms.....gal. .48 - .54
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10¾- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls.....lb. .80 - —
5lb. dme., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP. lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11½- .12
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .15½
Hydrofluosilic, 30-35% 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
80%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade .....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Laur'c, dist., tech., dms....lb. .11¾- .12¾
Laurent's, bbls. .....lb. .45 - —
Linseed oil, dark, dms.....lb. .10 - .10½
light, dms.....lb. .11 - .11½
extra white, dist., dms....lb. .11¾- .12¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots. .....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works..100 lbs. 2.70 - —
tanks, works .....100 lbs. 1.15 - —
Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works .....100 lbs. 1.45 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, acidity, 120-200 dms., c.l..lb. .07 - —
210-230, dms., c.l.....lb. .09 - —
240-280 dms., c.l.....lb. .10 - —
Sludge, dms., c.l.....lb. .05 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .06¼- .06¾
tanks .....lb. .05¾- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347 cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Pieric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, distil., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13½- .14½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works. 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.— 100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs.....lb. .78 - —
smaller lots.....lb. .80 - —
Tartaric, USP, dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment. lb. .27¼- —
kgs. .....lb. .28¼- —
smaller quantities.....lb. .27¾- —
Tobias, bbls.....lb. .60 - .65
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., wks.....lb. 2.35 - 2.55
Chem. grade, kgs., wks....lb. 1.70 - 1.80
Aconite, leaves, bls.....lb. .25 - .26
Root, bls. .....lb. .25 - .26
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .00 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. 1.25 - 1.30
3, bls. .....lb. .80 Nom.
Agaric, white, bls.....lb. 3.00 Nom.

Acacia—Aldehyde Bisulphite

Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .52 - .60
import, bgs.....lb. .55 Nom.
egg, ed., dom., cryst., bbls..lb. .62 - .65
dom., pwd., dms., bbls., lb. .67 - .73
import, cs.....lb. .62 - .65
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .13 - .15
dms., c.l., frt. alld.....lb. .08¾- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
tankwagon, frt. alld.....lb. .08 - —
secondary, dms., c.l., frt. pd., E. of Miss. R..lb. .068 - —
l.c.l., same terms.....lb. .073 - —
tanks, same terms.....lb. .058 - —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
Import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.90
Denatured, CD14, dms., c.l., works, E..gal. .29½- —
l.c.l., works, dms.....gal. .31½- —
tanks, E., works.....gal. .21½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .28½- —
19 bbls., E. works...gal. .28½- —
1 to 18 bbls., E. works, gal. .31½- —
dms., E. works.....gal. .31½- —
19 dms., E. works...gal. .27½- —
gal. .30½- —
tanks, E. works.....gal. .19½- —

Anhydrous, 2c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .24½- —
19 dms., works, E...gal. .26½- —
1 to 18 dms., works, E. gal. .29½- —
tanks, E., works.....gal. .18½- —
SD23-G, works, E., dms..gal. .30 - —
19 dms. .....gal. .32 - —
1 to 18 dms.....gal. .35 - —
tanks .....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .26½- —
20 dms., E. works...gal. .28½- —
1 to 19 dms., E. works, gal. .31½- —
tanks, E. works.....gal. .20½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.53 - —
19 bbls.....gal. 4.56½- —
1 to 18 bbls.....gal. 4.59½- —
dms., c.l.....gal. 4.49 - —
19 dms.....gal. 4.53½- —
1 to 18 dms.....gal. 4.58½- —
tanks .....gal. 4.46 - —
absolute, dms., c.l.....gal. 4.84½- —
19 dms.....gal. 4.88 - —
1 to 18 dms.....gal. 4.91 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .073 - —
l.c.l., same terms.....lb. .078 - —
tanks, same terms.....lb. .063 - —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat, grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —

V135 I23 JUN 5 1939 XUM

Aldol—Angostura Bark

Aldol, 95%, 55 and 110 gal. dms., c.l., works	lb.	.11	—
l.c.l., works	lb.	.12	—
5 and 10 gal. dms., works,	lb.	.15	—
Aletris root, bgs.	lb.	.38	.40
Alizarin (see Red, alizarin).			
Alkanet root, bgs.	lb.	.11	.12
Aloe, Barbados, true, cs.	lb.	.85	.90
Cape, cs.	lb.	.18½	.20
Curacao, cs.	lb.	.42	.43
gourds, bbls.	lb.	.80	.85
Socotrine, kgs.	lb.	.45	.50
Aloin, 140-lb. bbls.	lb.	2.65	2.80
100-lb. kgs.	lb.	2.67	2.82
25-lb. fib. dms.	lb.	2.74	2.89
Alphanaphthol, bbls.	lb.	.52	—
Alphanaphthylamine, bbls.	lb.	.32	—
Althea root, USP, cube cut, bbls.,	lb.	.30	.32
peeled, bls.	lb.	.24	.25
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16	.18
gran., bbls., works	100 lbs.	3.15	—
dlvd. N.Y., Phila.	100 lbs.	3.15	—
lump, bbls., works	100 lbs.	3.40	—
dlvd., N.Y., Phila.	100 lbs.	3.40	—
powd., bbls., works	100 lbs.	3.55	—
dlvd. N. Y., Phila.	100 lbs.	3.55	—

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works,	100 lbs.	3.40	—
dlvd., N.Y., Phila.	100 lbs.	3.40	—
lump, bbls., works	100 lbs.	3.65	—
dlvd. N.Y., Phila.	100 lbs.	3.65	—
powd., bbls., works	100 lbs.	3.80	—
dlvd. N.Y., Phila.	100 lbs.	3.80	—

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.	lb.	.06¼	.06½
Soda, bbls., c.l., works	100 lbs.	3.25	—
l.c.l., dlvd.	100 lbs.	4.25	5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd.	lb.	.07½	—
l.c.l., dlvd.	lb.	.09	—
32%, basic solut., bbls., c.l., dlvd.	lb.	.10	—
l.c.l., dlvd.	lb.	.12	—
basic powd., bbls., dlvd.	lb.	.40	—
smaller containers, dlvd.	lb.	.50	—
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works.	lb.	.06	—
12,000 to 40,000 lbs., works.	lb.	.07	—
1,100 to 11,000 lbs., works,	lb.	.08	—
140 to 875 lbs., works.	lb.	.09	—
100 lbs., or less, works.	lb.	.10	—
cryst., com'l, dms., c.l., works	lb.	.06	—
l.c.l., dms., works	lb.	.06½	—
solution, 32 deg., cbys., c.l., works.	lb.	.02¾	—
l.c.l., cbys., works	lb.	.03¼	—
Formate, 80%, solut., bbls., c.l., dlvd.	lb.	.13	—
l.c.l., dlvd.	lb.	.15	—
Hydrate, heavy, bbls., c.l., works.	lb.	.0290	—
l.c.l., bbls.	lb.	.03½	—
bgs., c.l.	lb.	.0260	—
light, bbls., dlvd.	lb.	.12	—
Oleate, dms., contr.	lb.	.16¾	—
open order	lb.	.17½	.18½
Palmitate, precip., bbls.	lb.	.23	—
Resinate, precip., dms., dlvd.	lb.	.15	—
Stearate, precip., bbls., ctns., c.l.	lb.	.16	—
l.c.l., ton	lb.	.17	—
less than ton	lb.	.21	—
Sulphate, com'l, bgs., c.l., works, frt. equald.	100 lbs.	1.15	—
l.c.l., works, frt. equald.	100 lbs.	1.40	—
bbls., c.l., works, frt. equald.	100 lbs.	1.35	—
l.c.l., works, frt. equaled	100 lbs.	1.60	—
iron-free, bgs., c.l., works.	100 lbs.	1.30	—
l.c.l., works	100 lbs.	1.55	—
bbls., c.l., works	100 lbs.	1.50	—
l.c.l., works	100 lbs.	1.75	—
Aluminum, 98-99%, c.l.	lb.	.20	—
l.c.l.	lb.	.21	—
paste, lining, extra fine, dms., 1,500 lbs.	lb.	.65	—
ink, dms., 1,500 lbs.	lb.	.75	—
standard, dms., 1,500 lbs.	lb.	.43	—
powder, lining, extra fine, dms., 1,500 lbs.	lb.	.92	—
standard, dms., 1,500 lbs.	lb.	.57	—
litho, extra brilliant, dms., 1,500 lbs.	lb.	.43	—
extra fine, dms., 1,500 lbs.	lb.	.47	—
lining, dms., 1,500 lbs.	lb.	.57	—
standard, dms., 1,500 lbs.	lb.	.42	—
rubber compound, dms., 1,500 lbs.	lb.	.40	—
unpolished, dms., 1,500 lbs.	lb.	.37	—
varnish, extra brilliant, dms., 1,500 lbs.	lb.	.43	—
extra fine, dms., 1,500 lbs.	lb.	.47	—
standard, dms., 1,500 lbs.	lb.	.42	—

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 6c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs., for partial shipments on contracts, prices are 8c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 80,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins	oz.	17.00	36.00
Aminopyrine, fib., dms., 100 lbs.	lb.	4.00	—
bots., 5 lbs.	lb.	4.23	4.25
Ammonia, acetate, bbls., kgs., dlvd.	lb.	.27	.32
dms., dlvd.	lb.	.28	.36
Aldehyde, dms.	lb	.65	.70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.	lb.	.04½	—
refrigeration, tanks, works.	lb.	.06	—
pure, cyls., dlvd., met. N.Y.	lb.	.16	—

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

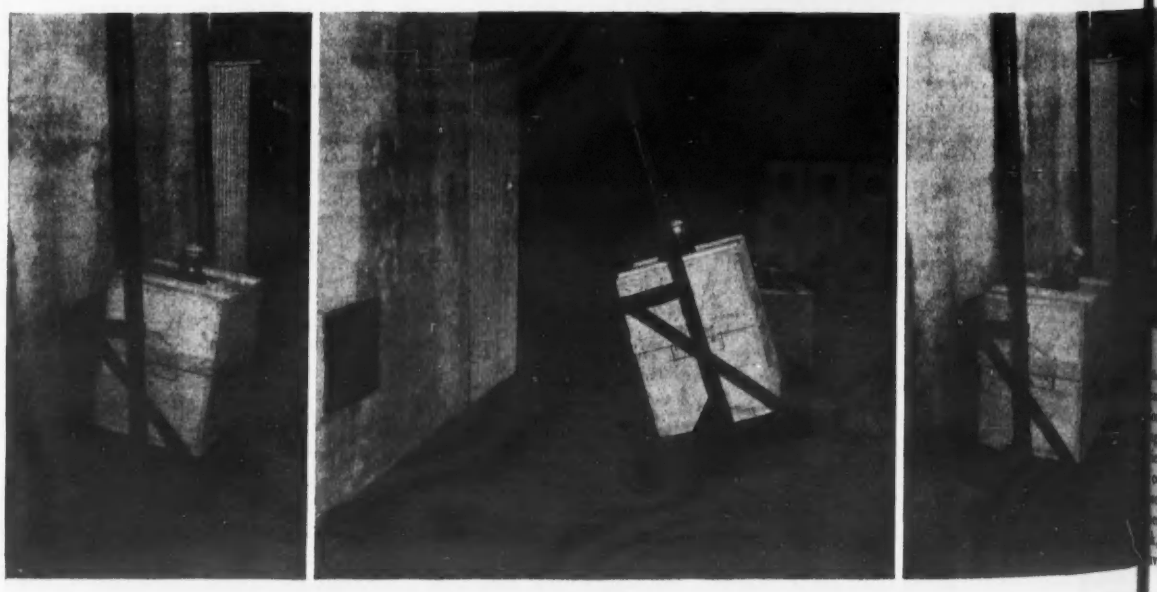
Aqua, 26°, cbys.	lb.	.05	—
dms., c.l.	lb.	.02	—
l.c.l.	lb.	.02¼	—
tanks (on NH_3 content), f.o.b. S. Chicago or Detroit.	lb.	.04	—
grade B (ammonia liquor) tanks (on NH_3 content), f.o.b. Chicago or Detroit.	lb.	.03¾	—
Ammonia, benzoate, dms., 4,000 lbs. or more	lb.	.40	.42
1,000 lbs. to 3,900 lbs.	lb.	.41	.43
900 lbs. or less	lb.	.42	.46
kgs., 4,000 lbs. or more	lb.	.40	—
1,000 lbs., to 3,900 lbs.	lb.	.41	—
900 lbs. or less	lb.	.42	—
Bicarbonate, bbls., c.l., works.	100 lbs.	5.15	—
l.c.l., dlvd., N. Y.	100 lbs.	5.71	—
Bichromate, bbls.	lb.	.30	.32
Bifluoride, bbls.	lb.	.14½	.16½
Borate, bbls., kgs.	lb.	.15	.16
Bromide, gran., bbls.	lb.	.35	—
bxs.	lb.	.38	.39
kgs.	lb.	.36	—
Carbonate, tech., dom., bbls.	lb.	.06	.12½
imported, csks.	lb.	.08	.12¼
USP, lump, dms.	lb.	.08	.17
powd., bbls., dms.	lb.	.09	.35
Chloride, tech. (see Ammoniac, sal).			
USP, gran., 225 lb. bbls.	lb.	.12	.18
100 lb. kgs.	lb.	.15	—
Citrate, dms.	lb.	.80	—
cms.	lb.	.85	—
Fluoride, bbls.	lb.	.17	.19
Hydroxide, (see Ammonia, aqua),			
Hypophosphite, dms.	lb.	1.25	1.27
jars	lb.	1.35	—
Iodide, 5-lb. bots.	lb.	3.52	—
jars	lb.	3.46	—
Linoleate, 80%, anhyd., bbls.	lb.	.11	—
Molybdate, kgs., wks.	lb.	1.05	1.20
Nitrate, tech., bgs., c.l., works.	100 lbs.	3.60	—
l.c.l., works	100 lbs.	3.85	—
bbls., c.l., works	100 lbs.	3.80	—
l.c.l., works	100 lbs.	4.08	—
Ammonia, oleate, dms.	lb.	.11	—
Oxalate, neutral, powd., bbls., kgs.	lb.	.19	.20
pure, gran.	lb.	.32	—
Perchlorate, kegs	lb.	.16	.18
Persulphate, kgs.	lb.	.21	.22
Phosphate, dibasic, N.F.V., bls.,	lb.	.37	—
kgs.	lb.	.39	—
tech., bbls., c.l.	lb.	.07½	—
l.c.l.	lb.	.09	.16
monobasic, crude (fert. grade), 11% N 45% phos- bulk, f.o.b. E. works.	unit-ton	1.20	.70
pure, bbls.	lb.	.40	.45
tech., bbls., c.l.	lb.	.07½	—
l.c.l.	lb.	.09	.16
Salicylate, U.S.P., kgs.	lb.	1.15	1.35
Silicofluoride, imp., 350-lb. bbls., f.o.b. N.Y.	lb.	.09	—
5 bbls., same basis	lb.	.08½	—
Stearate, anhydrous	lb.	.22	—
paste	lb.	.06½	—
Sulphate, dom., bulk, c.l., f.o.b June shipt.	ton.	28.00	—

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd.	lb.	.08	—
l.c.l., works	lb.	.12	.13
tanks, dlvd.	lb.	.07½	—
red, 48%, cbys., works.	lb.	.07½	—
dms., works	lb.	.05½	—
yellow, 33%, cbys., works.	lb.	.07½	—
dms., works	lb.	.05½	—
Sulphocyanide, pure, 99-100%, kgs.	lb.	.55	.75
Ammoniac, gum (see Gum, ammoniac).			
sal, gray, dom., bbls., c.l.,	100 lbs.	5.50	5.75
l.c.l.	100 lbs.	6.00	6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l.	100 lbs.	4.90	5.00
import, csks.	100 lbs.	4.90	5.00
Amyl acetate, ex fusel oil, dms., c.l., dlvd.	lb.	.11½	.13½
l.c.l., dlvd.	lb.	.12	.14
tanks, dlvd.	lb.	.10½	.12½
cns., works	lb.	.16	.18
ex pentane, dms., c.l., frt., alld.	lb.	.10¼	—
l.c.l., frt., alld.	lb.	.11¼	—
tanks, frt., alld.	lb.	.09¼	—
Alcohol (see Alcohol amyl).			
Butyrate, dms., 50 gal., returnable	lb.	.75	—
Caproate, cns.	lb.	2.75	—
Chloride, normal, dms., works,	lb.	.56	—
small lots, works	lb.	.68	—
mixed, tech., dms., c.l., works.	lb.	.0565	—
l.c.l., works	lb.	.0665	—
tanks, works	lb.	.0465	—
Nitrite, bots.	lb.	1.80	1.85
Mercaptan, dms., l.c.l., works.	lb.	1.10	—
Oleate, dms., l.c.l., works.	lb.	.25	—
Salicylate, bots., 5 lbs.	lb.	.61	—
cns., 25 lbs.	lb.	.51	—
Stearate, dms., l.c.l., works.	lb.	.26	—
Amylene, dms., c.l., works.	lb.	.102	—
l.c.l., works	lb.	.11	—
tanks, works	lb.	.09	—
Anethol, bots.	lb.	1.00	1.05
Angelica root, dom., bls.	lb.	.20	.21
import, natural, bls.	lb.	.30	.32
twisted, bls.	lb.	.28	.30
Angostura bark, bls.	lb.	.30	.31

LIFE ON THE Chemical Newsfront

(*Above*) **"WORTH THEIR WEIGHT IN GOLD"** is an understatement for these tiny lenses of optical glass. They are so small that thousands of them can be held in the palm of the hand, but their cash value, weight for weight, exceeds even that of platinum. Not to be measured in dollars is the worth of optical glass to the chemical industry. With the aid of lenses like these, the chemist has brought to light the information hidden in the microscopic world. In his turn, the chemist supplies the raw materials needed in the delicate processes of manufacturing optical glass.



(*Above*) **"A CONTRIBUTION TO SAFETY"** is the comment of users of AERO Carboys and Packing, developed by American Cyanamid. Transportation of carboys used to be so hazardous that some years ago the Interstate Commerce Commission put into effect regulations decreeing that carboys must withstand a 55-inch swing on the apparatus illustrated above. This is regarded as a severe test, but AERO Carboys go far beyond this point in giving shippers several times the prescribed safety margin. Left to right, illustrations show AERO Carboy (picked at random from regular stock) just after taking in its stride the impact of a 105-inch swing (several times the impact of the 55-inch swing); being readied for the still greater shock of a 115-inch swing; and finally breaking after swinging through more than double the distance fixed by I. C. C. Eight rubber blocks cushion the bottle—reduce the rebo... from shock that used to cause plenty of breakages. Packing a... for safe rocking movement of bottle, yet prevents it from co... in contact with sides of box. Shims in corner grooves autom... ally position cushions on bottles—prevent human lapses in p... ing or reconditioning. Bottles are suspended at strongest p... —upper and lower curves of shoulders. Big advantage of A... Carboy is its combination of safety with low cost per trip. ... construction is rugged; rubber cushions are indestructible, c... reclaimed and used indefinitely. Folder giving construction d... and recommended methods of packing is available on reque...

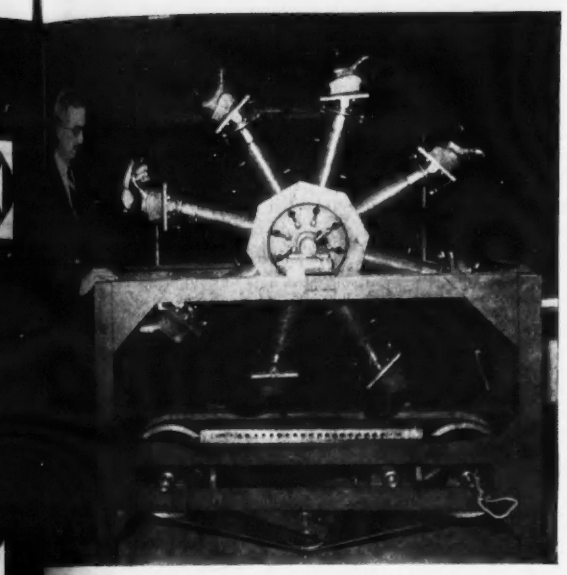
Anilin oil, dms., c.l. lb. .15 - —
l.c.l. lb. .16 - —
tanks lb. .14½ - —
Salt, dms., works lb. .22 - .24
Anise, Spanish, bgs. lb. .16 - .16½
Star, bgs. lb. .15½ - .16
Anisic aldehyde, bots. lb. 3.00 - 3.10
Annatto paste, bxs. lb. .34 - .39
seed, bgs. lb. .06½ - .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
80%, bbls., wks. lb. .65 - —
Anthraquinone, 99.6%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys. lb. .17 - —
Metal, spot lb. .12 - —
Needle, powd., ton lots, bulk, lb. .12 Nom.
bbls., kgs. lb. .14 - .16
Oxide, bbls., c.l. lb. .11 - —
l.c.l. lb. .11¾ - —
Salts, 85%, kgs. lb. .25½ - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots lb. 2.10 - 2.15
Apomorphine, bots. oz. 23.20 - 23.70
Archil extract, con., bbls. lb. .21 - .27
double, bbls. lb. .18 - .20
triple, bbls. lb. .18 - .20
Areca nuts, powd., bbls. lb. .10 - .11
Arecoline hydrobromide, bots. oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100, 100 kgm., purity, 100% kilos. 32.00 - 34.00
Arnica flowers, bls. lb. .27 - .28
Root, bls. lb. .37 - .38
Arrowroot, St. Vincent, powd., bgs. lb. .08 - .08½
bbls. lb. .08½ - .09
Arsenic, metal, lump, cs. lb. .40 - .41
Chloride (arsenous), cns. lb. 4.85 - —
Iodide (arsenous), 5-lb. bots. lb. 5.35 - —
jars lb. 5.20 - —
Red, import, cs. lb. .15¾ - .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l. lb. .03 - —
l.c.l. lb. .03¾ - —
Asafetida, cs. lb. .23 - .24
powd., bbls., bxs. lb. .37 - .38
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines ton. 40.00 - —
6D, bgs., c.l. (50 tons), Canad. mines ton. 30.00 - —
7D, bgs., c.l. (50 tons), Canad. mines ton. 25.00 - —
7F, bgs., c.l. (50 tons), Canad. mines ton. 23.00 - —
7H, bgs., c.l. (50 tons), Canad. mines ton. 19.00 - —
7K, bgs., c.l. (50 tons), Canad. mines ton. 16.50 - —
7M, bgs., c.l. (50 tons), Canad. mines ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y. lb. .02½ - —
smaller lots, f.o.b. N. Y. lb. .03½ - —
AA, bgs., 20 tons, f.o.b. N.Y. lb. .03½ - —
smaller lots, f.o.b. N. Y. lb. .10½ - —
California, dms., c.l., f.o.b. N. Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y. ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y. ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y. ton. 35.00 - —
l.c.l., f.o.b. N. Y. ton. 55.00 - —
Asphaltum, Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y. lb. .13 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points ton. 25.50 - —
selects, bgs., c.l., Western shipt. points ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse. ton. 51.00 - —
Jet., bgs., c.l., Western shipping points ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery ton. 19.00 - —
l.c.l., refinery ton. 21.00 - —
tanks, refinery ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery gal. .18 - —
dms., c.l., E. cst., refinery, gal. .13 - —
tanks, Calif., refinery ton. 12.50 - 14.00
East Coast, refinery gal. .06 - .06½
Ill., Ind., refinery gal. .06½ - —
N. Orleans refinery gal. .06 - —
Atropine, bots. oz. 5.25 - 5.80
Sulphate, bots. oz. 2.85 - 2.95
cns. oz. 2.75 - 2.83

B

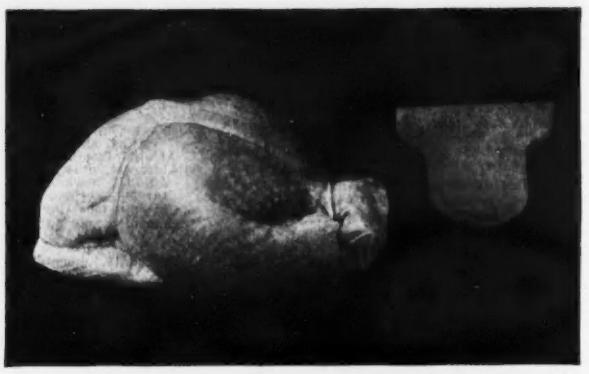
Balm of Gilead buds, bgs. lb. .26 - .28
Barberry bark, bgs. lb. .17½ - .18
Tree bark, bls. lb. .09 - .10
Barbital, cs. lb. 3.25 - 3.30

Anilin Oil—Bismuth Subben.

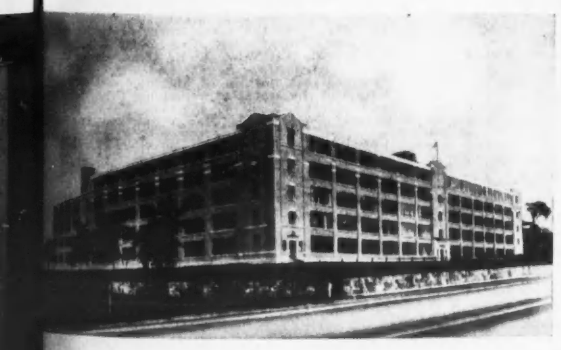
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 41.00 - 43.00
99% thru 200 mesh, bgs., c.l., works ton. 43.00 - 45.00
precip., bgs., c.l., works ton. 52.50 - —
Chicago ton. 55.00 - —
l.c.l., works ton. 57.50 - —
Chicago ton. 60.00 - —
bbls., c.l., works ton. 57.50 - —
Chicago ton. 60.00 - —
l.c.l., works ton. 62.50 - —
Chicago ton. 65.00 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works ton. 62.50 - —
Chlorate, kgs. lb. .16½ - .17½
Chloride, C.P., cryst., bbls. lb. .25 - —
kgs. lb. .27 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line ton. 77.00 - —
bbls., same basis ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla. ton. 81.00 - —
bbls., same basis ton. 83.00 - —
bbls., l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev. ton. 83.00 - —
bbls., same basis ton. 85.00 - —
bbls., l.c.l., same basis, ton. 96.00 - —
bbls., same basis ton. 98.00 - —
Dioxide, dms. lb. .11 - .15
Fluoride, bbls. lb. .11½ - .12¾
Fluosilicate, bbls. lb. .11½ - .12¾
Hydrate (see Hydroxide).
Hydroxide, bbls, 46-48% lb. .04¾ - .05¾
Iodide, bots. lb. 4.45 - 4.50
Monoxide (see Oxide).
Nitrate, cks. lb. .06¾ - .07¼
Oxide, dms. lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. lb. .09½ - .10
kgs. lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago ton. 31.15 - —
Cleveland ton. 33.50 - —
New York ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston ton. 31.70 - —
Philadelphia ton. 30.50 - —
ex whse., Baltimore ton. 32.10 - —
Boston ton. 35.20 - —
Chicago ton. 30.85 - —
Cleveland ton. 33.00 - —
Detroit ton. 33.00 - —
Kansas City ton. 30.93 - —
Los Angeles ton. 42.00 - —
New York ton. 31.50 - —
Philadelphia ton. 31.90 - —
San Francisco ton. 42.00 - —
Toronto ton. 39.50 - —
southern off color, bulk, mines, ton. 12.00 - —
95.75%, bulk, mines ton. 16.00 - —
ore, bulk, mines ton. 7.00 - —
Cuban, crude, c.l., c.i.f. ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a. ton. 25.00 - 26.00
l.c.l., ex whse. ton. 30.00 - —
German, ungrd., bulk, c.l., ex dock ton. 13.00 - 14.00
Italian, grd., bbls., c.l., ex dock, t.a. ton. 29.50 Nom.
l.c.l., ex whse. ton. 32.50 - —
Bauxite, bulk, mines ton. 7.00 - 10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls. lb. .82 - .90
Bayberry bark, bgs. lb. .13 - 15
Belladonna leaves, bls. lb. .12½ - .14
Root, bls. lb. .20 - .28
Bentonite, 200 mesh, bgs., Wyo., works ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .53 - .60
USP, X, dms., 50 to 100 lbs. lb. .85 - —
5 to 25 lbs. lb. .99 - .95
Benzene (see benzol).
Benzidin base, bbls. lb. .70 - —
Benzol, 90%, nitration, pure, dms., works gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo. gal. .16 - —
Benzoyl chloride, cbys. lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works lb. 1.95 - —
Benzyl acetate, f.f.c., cns. lb. .49 - —
dms. lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cans. lb. .71 - —
dms. lb. .67 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. lb. 4.15 - 5.00
Formate, cns. lb. 2.75 - 3.50
Benzylidineacetone, bots. lb. 2.00 - 3.00
Berberine bisulphate, cns. lb. 16.75 - —
Hydrochloride, cns. lb. 16.75 - —
Sulphate, cns. lb. 16.75 - —
Berberis root, bls. lb. .11 - .12
Betanaphthol, sublim., kgs. lb. .60 - —
tech., bbls., c.l., works lb. .23 - —
l.c.l., bbls., works lb. .24 - —
Benzoate, fib., dms. lb. 2.10 - —
kgs. lb. 2.00 - —
Betanaphthylamine, tech., kgs. lb. .51 - —
Beth root, bls. lb. .17 - .20
Bismuth chloride, 5-lb. bots. lb. 3.20 - 3.26
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars lb. 2.65 - —
Hydroxide, 5-lb. bots. lb. 3.27 - —
cns. lb. 3.15 - —
Metal, ton lots lb. 1.10 - —
Nitrate, cryst., 5-lb. bots. lb. 1.34 - —
cns. lb. 1.20 - —
Oxychloride, 5-lb. bots. lb. 3.04 - —
cns., kgs. lb. 2.95 - —
Subbenzoate, 5-lb. bots. lb. 3.36 - —
fib., dms. lb. 1.13 - 1.16



(*Below*) **FOOD PRODUCTS IN RUBBER BAGS** keep their flavor longer, are protected from odor and contamination. Quick-freezing process is expected to benefit from the Cryo-Vac method of packing food products developed by Dewey & Almy Chemical Company. Rubber container is expanded, slipped over product to be protected, sealed, and contracted to form a transparent wrap. Bag is moisture- and vapor-proof, prevents evaporation of natural juices. Lustrous appearance of container increases eye appeal.



MECHANICAL WALKER at the Bureau of Standards puts shoes through their paces, testing their qualities by wearing them out at a rate that would destroy human feet faster than the shoes. Soles and uppers both take their share of punishment in this accelerated test, in which rotating wheel and endless belt simulate actual walking conditions, flexing the shoes at every step. Cyanamid's full line of leather chemicals and constant research in the leather field aid in the production of leathers that will constantly contribute to their greater usefulness and value.



CENTER OF CHEMICAL PROGRESS is the industry's research laboratories. In this fully equipped building at Stamford, Conn., the skilled researchers of American Cyanamid are constantly engaged in work that stimulates the development of the industries which Cyanamid serves. In addition to pure research work of comprehensive character, the Cyanamid laboratories carry on research pointed toward the needs of specific divisions of the chemical industry. Sections of the laboratories are devoted to paper, ink, paint, leather, rubber, and textiles—and from these sections have come many new developments to aid the progress of industry.

(*Above*) **TENNIS BALLS BY THE THOUSAND** are rolling through manufacturing plants, soon to join the ever-increasing numbers of their fellows that are being volleyed across courts all over the country. Far from the courts, research in the laboratories of the makers of tennis balls is playing its part in increasing the popularity of the sport. Here the tennis balls are shown at an intermediate stage of manufacture. The molded rubber centers have been covered with cement, and are ready for the application of the felt cover. Rubber and textiles are basic components of tennis balls—and Cyanamid chemicals contribute to the success of both these industries.

American Cyanamid & Chemical Corporation

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Bismuth Sub.—Cellulose Acet.

Bismuth, subcarbonate, bots., cns..lb. 1.62 - 1.88
fib. dms.....lb. 1.53 - 1.84
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.96
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.91 - —
fib.. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns.....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns.....lb. 3.30 - —
Bismuth-betanaphthol, 6-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bxs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½ - —
1, bbls., bgs., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld. E.....lb. .13½ - —
2, bbls., bgs., c.l., frt. alld., E..lb. .10½ - —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., .l., frt. alld. E. lb. .09½ - —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E...lb. .08½ - —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bxs., c.l., frt. alld. E..lb. .07½ - —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., c.l., frt. alld. E..lb. .06½ - —
l.c.l., frt. alld. E.....lb. .08 - —
7, bbls., bgs., c.l., frt. alld E. lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½ - —
8, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½ - —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .06¾- .04¾
bgs., ctns., l.c.l., dlvd..lb. .06¾- —
cs., l.c.l., dlvd.....lb. .07½- —
2, bgs., c.l., works.....lb. .06½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l, dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
4, cs., c.l., works.....lb. .29 - —
l.c.l., dlvd. .....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾- —
zone B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0810- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0335- —
D (Ill., Ia., Wis.)..lb. .0834- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0841- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0834- —
G (Mexico) f.o.b. border, lb. .08 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .0634- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .0634- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l. dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works .....lb. .18 - —
6, ctns., c.l., works... .....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y .....lb. .20 - —
6 bbls., c.l., f.o.b. N.Y....lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .0434- —
B, bbls., works or N. Y....lb. .0634- —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .20 - .21
Tree bark, bls.....lb. .12 - .13
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bxs., c.l..ton.56.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bxs., c.l. works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.26
l.c.l., works.....100 lbs. 2.26 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.60 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.65 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.75 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .13
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. highed dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .13
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .11 - —
regular, 1, bbls., works, frt. equald..lb. .16 - —
2, bbls, same basis.....lb. .18 - —
3, bbls., same basis.....lb. .19 - —
4, bbls., same basis.....lb. .20 - —
5, bbls., same basis.....lb. .33 - —
6, cobalt, A, bbls., same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis.lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis.....lb. .20 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .23 - —
5, bbls., same basis.....lb. .25 - —
6, bbls., same basis.....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .13 - .14
Blue mass, USP., cns.....lb. 1.10 - —
powd., cns.....lb. 1.12 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works...100 lbs. 4.10 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.25 - —
6-15 bbls., same basis, 100 lbs. 4.35 - —
1-5 bbls., same basis..... 100 lbs. 4.60 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 8.45 - 8.70
l.c.l. dealers.....100 lbs. 9.45 - 9.70
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
import, bgs., c.i.f. ports.ton.24.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.27.00 - —
import, 100-lbs. bgs., c.i.f ports, shipt..ton.23.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Boneset leaves, bales.....lb. .07 - .08
Borage flowers, bls.....lb. .17 - .18
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l, ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers...lb. .11 - —
l.c.l., dealers, dms...lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies...lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .55
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .10 - .11
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works. lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
Brown, Sienna, burnt, Italian, group 2, bbls., same basis..lb. .11½- —
lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .08¾- —
5, bbls., same basis...lb. .08¾- —
6, bbls., same basis...lb. .08⅛- —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07¾- —
9, bbls., same basis...lb. .07¼- —
10, bbls., same basis..lb. .06⅞- —
11, bbls., same basis..lb. .06¾- —
12, bbls., same basis..lb. .06¼- —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½- —
raw, American, bbls., works, lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
Group 2, bbls., same basis, lb. .10⅞- —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½- —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .07¾- —
8, bbls., same basis...lb. .07¼- —
9, bbls., same basis...lb. .06¾- —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
Umber, American, bbls., works. lb. .02⅞- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —
ex whse., Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
l.c.l., ex whse., Kansas City..lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05½- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .33 - .34
Buckthorn bark, true, bls.....lb. .06 - .06½
cut and sifted, bbls.....lb. .9 - .11
Berries, bgs.....lb. .16 - .17
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls...lb. .04 - .04½
Butanes, coml., 16-34°, tanks, group 3..gal. .03⅜- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .13 - .15
dms., c.l., frt. alld.....lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, contract, frt. alld..lb. .07½- —
tankwagons, frt. alld.....lb. .08 - —
secondary, dms., c.l., frt. pd. E. of Miss. R...lb. .068 - —
l.c.l., same terms.....lb. .073 - —
tanks, same terms.....lb. .058 - —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .75 - —
5 & 10 gal. dms., dlvd....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars .....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Iodide, 5-lb. bots.....lb. 4.01 - —
25-lb. cns. .....lb. 3.87 - —
Lithopone (see Yellow)
Metal, pat. shapes, cs.....lb. .55 - —
commercial .....lb. .50 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs., or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs .....lb. 2.35 - —
25-lb., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs. .....lb. 2.43 - —
25 lbs .....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
10-lb. cns., 1,000 lbs. or more..lb. 2.35 - —
100 lbs. .....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns. .....lb. 1.80 - 2.10
Hydrobromine, bots. .....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .20 - .21
Calamus root, peeled, N.F., cs. lb. .14 - .15
bleached, bls. .....lb. .42 - .45
Calcium acetate, bgs., dlvd. 100 lbs. 1.65 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07½
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.....lb. 4.75 - —
l.c.l., f.o.b. warehouse...lb. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.25
Gluconate, USP, gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Calcium hypophosphite, cns....lb. .62 - .67
Iodide, bots., jars.....lb. 3.85 - 3.90
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel, No. Atlantic ports, or f.o.b. cars, So. Atlantic ports..ton.28.00 - —
Palmitate, bbls .....lb. .22 - .25
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f., Atlantic ports, shipt., unit-ton. .80 - —
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., wks..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs lb. .85 - —
Sulphocarbolate, bbls.,200 lbs..lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .28 - .30
Calomel, bbls., fib., dms., kgs., 50 lbs., or more...lb. 1.52 - —
Camphor, natural, powd., cs...lb. .48½- .49½
slabs, cs.....lb. .48½- .49½
tablets, tins.....lb. .54 - .54½
synthetic, dom., imp., gran., powd., bbls., 2,000-lb. lots...lb. .46 - —
1,000-lb. lots.....lb. .47 - —
500-lb. lots.....lb. .48 - —
100-lb. lots.....lb. .49 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .0380- .0410
Morocco, bgs. .....lb. .0435- .0460
Turkish, bgs. .....lb. .0380- .0410
Canella alba bark, bls.....lb. .20 - .30
Cantharides, Chinese, cs.....lb. .65 - .70
powd., bxs.....lb. .80 - .85
Russian, cs.....lb. .92 - .96
powd., bxs.....lb. 1.10 - 1.15
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .09½- .09⅝
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l. same basis.....lb. .05¼- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
t.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½ gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .86 - —
5 or 10 gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½ gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l.,frt. alld.....gal. 1.20 - —
Zone 4, 52½ gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .99 - —
5 or 10 gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on t.-l.-c. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.00 - 1.50
decorticated, cs. .....lb. .75 - .79
green, bgs. .....lb. .51 - .52
Carob bean flour (see Gum, Locust bean).
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .09 - .19
Case-hardening mixture, 30%, comp dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh bgs., c.l., dlvd..lb. .08¾- .09
5 tons, works.....lb. .09¾- .10¼
smaller lots, works.....lb. .11 - .11½
80-100 mesh, bgs. c.l. dlvd lb. .08¾- .09¼
5 tons, works.....lb. .10¼- .10¾
smaller lots, works.....lb. .11¼- .11⅞
Import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .09¼- .09⅝
80-100 mesh, bgs., c.l., duty paid..lb. .09⅝- .10
French, 30 mesh, bgs., c.l., duty paid..lb. .09½ Nom.
Cassia, Batavia, 1, bgs.....lb. .16 - .18
shortstick, bls.....lb. .12½- .13
broken, bls.....lb. .10¾- .11¼
China, rolls, select, bls.....lb. .09 - .09
broken, extra, bls.....lb. .09½- .10
Saigon, bls. .....lb. .17½- .17⅝
Cassia, buds, cs.....lb. .15 - .18
Cassia fistula, bskts.....lb. .08½- .09
Castile soap, white, bars, cs., 40 lbs.11.75 -12.00
powd., bbls.....lb. .28 - .31
Castoreum, nat., cns.....lb.15.00 -16.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½% ammon., bgs., c.l., works..ton.16.50 - —
import, bgs., c.i.f., ports, shipment..ton.19.00 - —
Catnep leaves, Southern, bls...lb. .18 - .20
western, bls. .....lb. .20 - .21
Celery seed, French, bgs.....lb. .15 - .16
Indian, bgs.....lb. .12½- .13
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld...lb. .36 - —
Acetobutyrate, 10,000 lbs. and over..lb. .50 - —
5,000 to 9,980 lbs.....lb. .505 - —
2,500 to 4,980 lbs.....lb. .51 - —
1,000 to 2,400 lbs.....lb. .515- —
100 to 900 lbs.....lb. .525- —

Cellulose, acetopropionate, 10,000 lbs. and over	lb.	.48	—
5,000 to 9,980 lbs.	lb.	.485	—
2,500 to 4,980 lbs.	lb.	.49	—
1,000 to 2,400 lbs.	lb.	.495	—
100 to 900 lbs.	lb.	.505	.52
Triacetate, frt. alld.	lb.	.42	—
Cerium hydrate, dms., works.	lb.	.60	—
Oxalate, USP, bbls., works.	lb.	.35	—
kgs., works	lb.	.37	—
Chaix, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works.	lb.	.02¾	—
cks., 250 lbs., c.l., f.o.b. works.	lb.	.03¾	—
Chamomile flowers, Hungarian, genuine, cs.	lb.	.21	.27
Roman, bls.	lb.	.28	.33
Charcoal, softwood, powd., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va.	ton.	30.40	—
Colo.	ton.	27.00	—
Conn., Me., Mass., N. H., R. I., Vt.	ton.	30.50	—
Ill. (except river point), Minn., Neb., Wis.	ton.	25.00	—
Indiana	ton.	26.00	—
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso).	ton.	28.00	—
Kansas, El Paso, Tex.	ton.	24.00	—
Michigan	ton.	27.80	—
Ohio, Penn.	ton.	29.80	—
Utah	ton.	34.00	—
Willow, powd., bbls.	lb.	.06	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., wks.	lb.	.02	—
l.c.l., bbls., wks.	lb.	.02¼	—
tanks, wks.	lb.	.01¾	—
Chilies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works.	ton.	9.50	—
l.c.l., works.	ton.	10.00	-16.00
bulk, c.l., works.	ton.	7.00	—
200 mesh, bgs., c.l., works.	ton.	8.50	—
l.c.l., works.	ton.	9.50	-15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.	ton.	9.50	—
paper bgs., c.l., works.	ton.	12.50	—
Import, white, lump, bulk, c.l., ex dock, Balto, Boston, Norfolk, Phila.	ton.	22.00	-25.00
powd., csks., l.c.l., ex dock.	ton.	35.00	—
ex whse.	ton.	37.50	—
Chloral hydrate, bots., 1,000 lbs.,	lb.	.83	- .92
500 lbs.	lb.	.86	- .95
100 lbs.	lb.	.88	- .97
25 lbs.	lb.	.90	- .99
1-10 lbs.	lb.	.95	- 1.03
dms., 1,000 lbs.	lb.	.80	—
500 lbs.	lb.	.83	—
100 lbs.	lb.	.85	—
Chlorinated rubber, 5 cps., bgs., c.l., works.	lb.	.40	—
ton lots, works.	lb.	.42	—
smaller lots, works.	lb.	.45	- .50
10-1,000 cps., bgs., c.l., works,	lb.	.35	—
ton lots, works.	lb.	.37	—
smaller lots, works.	lb.	.40	- .45
Chlorine, liq., cyls., c.l., dlvd., N. Y.	lb.	.05¼	—
contracts, dlvd., N. Y.	lb.	.05¼	—
l.c.l., dlvd., N.Y.	lb.	.07¼	—
Chlorine liq., tanks, single unit, works, frt. equald.	100 lbs.	1.75	—
multiple unit, 3 or over, wks., frt. equald., 100 lbs.	100 lbs.	1.90	—
2, works, frt. equald., 100 lbs.	100 lbs.	2.15	—
1, works, frt. equald., 100 lbs.	100 lbs.	2.60	—
Chloracetophenone, tins, works.	lb.	3.00	- 3.50
Chloroform, tech., 650-lb. dms.	lb.	.20	—
100-lb. dms.	lb.	.22	—
50-lb. dms.	lb.	.23	—
USP, 650-lb. dms.	lb.	.30	—
100-lb. dms.	lb.	.32	—
50-lb. dms.	lb.	.33	—
Chloropicrin, comi, 180-lb. cyls., works.	lb.	.80	—
100 lb. cyls., works.	lb.	.85	—
5-25 lb. cyls., works.	lb.	1.00	- 1.15
Chrome acetate, powd., 17.5% cr., bbls., works.	lb.	.13	—
smaller pkgs., works.	lb.	.17	—
solut., 8% cr, cs, bbls.	lb.	.03	- .08
Cake, bulk, c.l., works.	ton.	14.00	-15.00
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Sulphate, pearls, dms.	100 lbs.		
powd., dms., 100 lbs.	lb.	.40	—
scales, dms., 100 lbs.	lb.	.45	—
Trioxide (see Acid, chromic).	lb.	.45	—
Yellow (see Yellow, chrome).			
Chrysarobin, cns.	lb.	3.25	- 3.30
Cinchona bark, quill, USP., 10 in., medium, cs.	lb.	.50	- .52
20 in., thick, cs.	lb.	.55	- .60
20 in., medium, cs.	lb.	.53	- .55
USP, broken quill, red, bgs.,	lb.	.25	- .26
yellow, bgs.	lb.	.25	- .26

Cellulose Acet.—Cube Root

Cinchonidine, crys., small cns., 100 ozs.	oz.	.83	—
large, cns. 100 ozs.	oz.	.87	—
powd., cns. 100 ozs.	oz.	.80	—
Sulphate, N.F., cns. 100 ozs.	oz.	.47	—
Cinchonine, crys., small, cns., 100 ozs.	oz.	.54	—
large, cns. 100 ozs.	oz.	.58	—
powd., cns. 100 ozs.	oz.	.50	—
Sulphate, N.F., cns. 100 ozs.	oz.	.34	—
Cinchophen, USP, boxes, 5 lbs.,	lb.	3.75	—
bots., 1 lb.	lb.	3.27	—
dms., 100 lbs.	lb.	3.00	—
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, f.c.c., cbys.	lb.	.85	— .90
Cinnamon, Ceylon, 2 bls.	lb.	.14	- .14½
3 bls.	lb.	.13¾	- .14¼
Citral, bots., cns.	lb.	1.40	- 3.10
Citrine ointment, jars, tubes.	lb.	.78	—
Citronellal, bots., dms.	lb.	.75	— .80
Citronellol, bots., dms.	lb.	1.60	- 1.65
Clove, Madagascar, bls.	lb.	.15	- .15½
Zanzibar, bls.	lb.	.16	- .17
Clover tops, bgs.	lb.	.12	- .13
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	7.50	- 7.75
l.c.l., works.	bbl.	8.25	- 8.50
tanks, works.	gal.	.07½	— .09
refd., bbls., c.l., works.	bbl.	8.00	- 8.25
l.c.l., works.	bbl.	8.75	- 9.00
tanks, works.	gal.	.08¼	- .10
water-gas, crude, dms., c.l., works.	dm.	7.50	—
l.c.l., works.	dm.	8.25	—
refd., dms., c.l., works.	dm.	8.00	—
l.c.l., works.	dm.	8.75	—
Cobalt acetate, bbls., kgs., dlvd.,	lb.	.65	- .67
Carbonate, pwd., bgs., wks.,	lb.	1.25	- 1.60
Chloride, kgs., wks.	lb.	.76	- 1.20
Hydrate, bbls.	lb.	1.78	—
Linoleate, paste, 6%, dms.	lb.	.31	—
solid, 8½%, bbls.	lb.	.33	—
Oleate, bbls.	lb.	.25	Nom.
Oxide, black, kgs.	lb.	1.67	—
Resinate, fused A, bbls.	lb.	.13½	—
1%, bbls.	lb.	.13	—
2%, bbls.	lb.	.14	—
3½%, bbls.	lb.	.17½	—
precip., dms., dlvd.	lb.	.34	—
Sulphate, dms.	lb.	.59	—
Cocaine, hydrochloride, 100 ozs., cns.	oz.	9.75	—
Cochineal, gray, bgs.	lb.	.35	— .38
Teneriffe, silver, bgs.	lb.	.36	— .39
Cocillana bark, bgs.	lb.	.14	— .15
Cocoa butter, lump, bgs., c.l.	lb.	.11	— .11¼
Codeine, cns., 100 ozs.	oz.	11.70	—
Hydrochloride, cns., 100 ozs.	oz.	10.50	—
Phosphate, cns., 100 ozs.	oz.	9.00	—
Sulphate, cns., 100 ozs.	oz.	9.50	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.06¼	— .07
Blue, root, bls.	lb.	.06	— .07
Colchicine, bots., 4 ozs.	oz.	20.00	—
single ozs.	oz.	21.00	—
Colchicum seed, bgs.	lb.	.24	— .25
Collodion, USP, dms., 325 lbs.	lb.	.12½	—
cns., 25 lbs.	lb.	.16	—
Flexible, USP, dms., 325 lbs.	lb.	.14½	—
cns., 25 lbs.	lb.	.18	—
Colocynth pulp, bls.	lb.	.25	— .26
Colombo root, bls.	lb.	.07	— .08
Coltsfoot leaves, bgs.	lb.	.08	— .09
Condurango bark, bgs.	lb.	.08	— .09
Conium leaves, bls.	lb.	.17	— .18
Copaiba balsam, Para, cns.	lb.	.22½	— .23
S. A., USP, cns.	lb.	.23½	— .24
Copper acetate, normal, bbls., dlvd.	lb.	.21	— —
smaller containers, dlvd.	lb.	.23	— —
Carbonate, 52-54 pc., bbls.	lb.	.14	— .15
20%, bbls.	lb.	.10½	— .11½
Chloride, cryst., bbls.	lb.	.13	— .14
Cyanide, tech., bbls.	lb.	.34	— —
Iodide, bots.	lb.	4.97	- 5.02
Metal, electrolytic	lb.	.10	- .10¼
Nitrate, cryst., bbls.	lb.	.148	— .153
Oleate, precip., bbls.	lb.	.20	— —
Oxide, black, 79-80% bbls., tons, works.	lb.	.15	— .16
Red, com'l., 80-88%, kgs., f.o.b. N. Y.	lb.	.15¾	— .16¾
Resinate, precip., bbls.	lb.	.15	— .16
Stearate, precip., bbls.	lb.	.23	— .24
Sulphate (see Blue vitriol).			
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	— —
bbls., c.l., works.	ton.	19.00	— —
l.c.l., 25 or over, works.	100 lbs.	1.45	— —
5-24, works.	100 lbs.	1.55	— —
1-4, works.	100 lbs.	2.00	— —
bulk, c.l., works.	ton.	14.00	— —
Copra, Coast, shipt.	lb.	.0210	Nom.
Coriander seed, Morocco, bgs.	lb.	.04¼	— .04⅝
bleached, bgs.	lb.	.06½	— .06⅝
Corn sugar, chipped, bgs., c.l., dlvd.	100 lbs.	3.04	— —
slabs, bbls., c.l.	100 lbs.	2.96	— —
solid, bbls., c.l.	100 lbs.	3.08	— —
Syrup, 42°, bbls., c.l.	100 lbs.	3.07	— —
43°, bbls., c.l.	100 lbs.	3.12	— —
Cornsilk, bls.	lb.	.06	— .07
Corrosive sublimate, cryst., dms., 50 lbs. or more.	lb.	1.32	— —
gran., powd., dms., 50 lbs. or more.	lb.	1.17	— —
Cottonroot bark, bls.	lb.	.10	— .11
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd.	unit-ton	1.00	— —
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75	- 3.00
5-lb. cns.	lb.	2.85	- 3.10
1-lb. cns.	lb.	3.00	- 3.25
1-oz. cns.	lb.	3.35	- 3.60
less than 5 lbs., cns.	lb.	4.15	- 4.65
Cramp, bark, genuine, bls.	lb.	.20	— .22
so-called, bls.	lb.	.06	— .07
Cranesbill root, bls.	lb.	.13½	— .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't.	lb.	.22¾	— —
smaller lots, bbls.	lb.	.23¼	— —
kgs.	lb.	.23¾	— —
Creosote, beechwood, bots.	lb.	.70	— .75
Hardwood, USP, bots.	lb.	.45	— .47
Pine, dms.	gal.	.28	— —
Carbonate, bots., cbys.	lb.	1.40	- 1.75
Oil, crude, tanks, works.	gal.	.13½	— .14½
Coaltar, solution, tanks, works.	gal.	.122	— .132
refd., bbls., l.c.l., works.	gal.	.25	— —
tanks, works	gal.	.18	— .18½
Cresol, USP, dms., c.l., works.	lb.	.10	— —
l.c.l., same basis.	lb.	.10½	— —
special resin grade, dms., c.l., works.	lb.	.09	— —
l.c.l., same basis.	lb.	.09½	— —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works.	lb.	.11	— —
l.c.l., works.	lb.	.12	— —
5 and 10 gal. dms., works.	lb.	.15	— —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more.	lb.	.24	— .25
2,000 lbs. to 10,000 lbs.	lb.	.25	— .26
1,000 lbs. to 2,000 lbs.	lb.	.26	— .27
200 lbs. to 1,000 lbs.	lb.	.27	— .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

ELECTRO BLEACHING GAS COMPANY • Main Office: 60 EAST 42nd STREET, NEW YORK, N. Y. • Plant: NIAGARA FALLS, N. Y.
PURITY
EBG Liquid
Chlorine

Cubeb Berries—Gentian Root

Cubeb berries, XX, bgs.....lb. .28 - .30
powd., cs. .....lb. .30 - .31
Culver's root, bls.....lb. .14 - .16
Cumin seed, Algerian, bgs.....lb. .08 - .08¼
Morocco, bgs. .....lb. No stocks.
Cutch, Philippine, extract, solid bags..lb. .04¼- .04½
Cyanamide, 27%NH_3, pulv., bgs., dlvd., contracts, NH_3-unit-ton. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .15½- .16
Dandelion root, German, bls...lb. .14 - .15
Deertongue leaves, bls.....lb. .09½- .10
Degras, common, dom., bbls...lb. .07 - .08
English, bbls. .....lb. .07 - .08
neutral, dom., bbls.....lb. .10 - .13
English, bbls. .....lb. .10 - .13
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .26
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.35
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.60 - —
Potato, import, bgs.....lb. .07 - .07¾
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd. .....lb. .21½- —
tanks, dlvd. .....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .103 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17- —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
Import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .52 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd. .....lb. .19¼- —
tanks, dlvd. .....lb. .18 - —
cns., works .....lb. .23¼- .25½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0321- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, comi., dms.lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works..lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .37 - .38
Diglycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd. .....lb. .19 - —
tanks, dlvd. .....lb. .17½- —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms. .....lb. .24 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms. .....lb. .15½- —
oily, dms. .....lb. .09 - —
Dioctholuolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls. .....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, Jamaica, bls., lb. .06 - .07
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified colors (numbers are those of Colour Index scale):—
Blue:—
Brilliant blue FCF, cans, lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —
Green:—
Fastgreen FCF, cns..lb.27.50 - —
666 Guinea green B., cns, lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —
Orange:—
150 Orange I, cns.....lb. 2.90 - —
Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau SX, cns.....lb. 5.75 - —
Yellow:—
10 Naphthol yellow S, cns.lb. 8.50 - —
Sunset yellow FCF, cns, lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
49 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
804 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Water-soluble:—
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX.lb. .60 - —
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .16½- .17
Egg albumen (see Albumen).
yolk, bbls.....lb. .60 - .62
Elder flowers, bright, bls.....lb. .19 - .21
Elecampane root, bls.....lb. .09½- .10
Elm bark, grinding, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .24 - .26
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls. .....lb. .09 - .10
Ephedrine, tins, 1,000 ozs....oz. 1.25 - —
tins, 100 ozs. .....oz. 1.85 - —
Hydrochloride, tins, 1,000 oz., lots..oz. 1.25 - —
tins, 100 oz., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cns., dms.....lb. 1.35 - 1.40
Eserine, bots. .....oz.42.00 - —
Salicylate, bots. .....oz.33.00 -34.00
Sulphate, bots. .....oz.30.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., c.l., dlvd.....lb. .24½- —
l.c.l., dlvd. .....lb. .25 - —
cns. .....lb. .28 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs. .....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms. .....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .061 - —
l.c.l., frt. a...d. .....lb. .066 - —
tanks, frt. alld.....lb. .051 - —
95-98%, dms., c.l., frt. alld.lb. .0685- —
l.c.l., frt. alld.....lb. .0735- —
tanks, frt. alld.....lb. .0585- —
N. F., VI, 99%, dms., 400 lbs..lb. .08 - —
cns., 35 lbs.....lb .12 - .18
USP, VIII, 90%, dms., 460 lbs..lb. .07 - —
cns., 35 lbs.....lb. .12 - —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 and 110 gal. dms., dlvd..lb. .75 - —
5 and 10 gal. dms., dlvd...lb. 1.00 - —
Formate, cns., dms.....lb. .23 - .24
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .26 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 5.25 - —
5 lb. lots.....lb. 5.50 - —
1 lb. lots, cns.....lb. 5.40 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld., lb. .43 - —
100 to 499 lbs., frt. alld., lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0645- .0695
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .0694
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms. .....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .56 - .58
Eucalyptus leaves, bls.....lb. .07 - .09
Eugenol, bgs., cns.....lb. 1.70 - 2.15
Euphorbia, bls.....lb. .05 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works .....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .08 - .09
Indian, bgs.....lb. .07½- .08
German, large, bgs.....lb. .18 Nom.
Fenugreek seed, bgs.....lb. .03½- .04
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .09¼- —
smaller lots, works...lb. .10¼- —
light, cs., 1,000 lbs. or over, works..lb. .10¼- —
smaller lots, works...lb. .11½- —
water white, cs., 1,000 lbs., or over, works..lb. .11¼- —
smaller lots, works...lb. .12¼- —
Fir balsam, Canada ,cns....gal.10.50 -11.00
Oregon, bbls.....gal. 1.05 - 1.10
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.35 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto...ton. .50 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 2.35 & .50
sardine, meal, Japanese, 11¼% ammon., bgs., c.l.f. ports, shipt-ton.47.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .10¼- .11
Indian, blonde, bgs.....lb. .07 - .07½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.30.00 - —
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.17.00 -18.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.00 -19.00
imported, 85.5, duty paid, short ton.21.50 -22.00
Formaldehyde, bbls., c.l., works, lb. .05½- —
l.c.l. works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12¼- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .15 - .15½
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09¾- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .09 - .10
Gall nuts, Alleppo, whole....lb. .22½- .23
Gambier, common, cases.....lb. .06¾ Nom.
plantation, cases.....lb. .08¼- .09¼
Cubes, Singapore, cases....lb. .08½- .09¼
Extract, bbls. .....lb. .06½- .06¾
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06 - .06¼
65 octane and above, tanks, gal. .06½- .06¾
California, 54-58, tanks...gal. .06½- .08
Gulf Coast, U.S. Motor, bulk, gal. .05½- —
60-62, 390 e.p., bulk, export, gal. .05½- —
60-62, 400 e.p., bulk, export, gal. .05¾- —
64-66, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¼- .04¾
67-69 octane, tanks....gal. .04¼- .05¼
70-72 octane, tanks....gal. .04¾- .05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04¼- .04½
(third grade, tanks..gal. .04¼- .04½)
63-66 octane, tanks....gal. .04½- .04¾
67-69 octane, tanks....gal. .04¾- .05
70-72 octane, tanks....gal. .05 - .05½
natural, 12-lb. v. p., tanks, gal. .03½- .03¾
14-lb. v.p., tanks.....gal. .03½- —
18-lb. v.p., tanks.....gal. .02½- .03¾
22-lb. v.p., tanks.....gal. .02¾- —
26-70 lb. v.p., tanks...gal. .02¼- .04¼
below 60 octane tanks.gal. .04¼- .06¼
65 octane, tanks.....gal. .06¼- .06¾
52-56 450 e.p., naphtha, tanks..gal. .04¾- .05
Gelatin, silver, cs.....lb. .42 - .45
Gelsemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .07 - .07½
grd., bbls., bxs.....lb. .09½- .11
powd., bbls., bxs.....lb. .10½- .11

Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .03⅞- .04½
Cochin, lemon, bgs.....lb. .06⅜- .07⅛
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs...lb. .07½- .07⅝
medium, bgs.....lb. .09½- .10
Japanese, bgs. .....lb. .05¾- .06¼
Ginseng fibers, cs. .....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 6.00 - 7.00
wild, Southern, cs.....lb.10.00 -14.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
36/58, bgs., c.l., divd....lb. .11 - —
l.c.l., divd.....lb. .11½- —
58/82 bgs., c.l., divd....lb. .12½- —
l.c.l., divd.....lb. .13 - —
82/106, bgs., c.l., divd...lb. .13 - —
l.c.l., divd.....lb. .13½- —
hide, calcimine type, 63 millipoise, 135 jelly grams, bgs., c.l., divd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
86/251,bgs.,c.l.,same basis.lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283,bgs.,c.l.,same basis.lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/370, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12½- —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd..lb. .09 - —
l.c.l., same basis....lb. .09½- .10
tanks .....lb. .08¾- —
for refiners, dms., returnable, tanks, divd..lb. .08¾- .08⅞
soaplye, basis 80%, dms., tanks, returnable, divd..lb. .07¾- .07⅞
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .35 - —
Stearate, dms.....lb. .24 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .11½- .12
Goldenseal root, bls.....lb. 2.75 - 2.80
powd., bxs.....lb. 3.15 - 3.20
Grains of paradise, bgs.....lb. .35 - .36
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., amorph., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .04¾- .04½
White, trcs.....lb. .05½- .05½
Yellow, trcs.....lb. .04¾- .05
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis, lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
reduced, C.P., color content up 5%, same basis..lb. .06 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La., (Shreveport, 1¼c.). Miss. N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07¾- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls. same basis. lb. .08¼- —
24-26%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¾- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, doms., pure, bbls...lb. .23 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Chrome, tetrahydroxide, bbls.lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
Emerald, kgs.....lb. 2.35 - —
Verdigris (see V).

Green dyes are listed under Dyes.

Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .75 - .80
Wood, bls. .....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.00 - 1.05
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10½- .11
white sorts, 1, bgs.....lb. .23 - .24
2, bgs.....lb. .21 - .22
white powd., bbls.....lb. .13 - .14
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .38 - .39
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .34¾- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ¼c. higher for 1-9 bgs.
Congo 2, cloudy, white, bgs., c.l., same basis..lb. .26¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .17¼- —
4, pale bold straw, bgs., c.l., same basis..lb. .18¼- —
5, pale, straw bold, bgs., c.l., same basis..lb. .14¼- —
6, pale amber bold, bgs., c.l., same basis..lb. .14⅜- —
7, pale, straw bold, bgs., c.l., same basis..lb. .11¾- —
8, light amber bold, bgs., c.l., same basis..lb. .11¼- —
9, medium light amber, bold, bgs., c.l., same basis..lb. .08¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .07¼- —
12, selected, bold sorts, bgs., c.l., same basis..lb. .06½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .15¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale, fingers, bgs., c.l., same basis..lb. .14¼- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¼- —
21, ordinary selected nubs, c.l., same basis..lb. .06½- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¼- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .12¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .08¼- —
26, pale, bold chips, bgs., c.l., same basis..lb. .06 - —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., same basis..lb. .04¾- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .05 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .04 - —
dust, bgs., c.l., same basis..lb. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .04 - —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04½- —
nubs and chips, bgs., c.l., same basis..lb. .04½- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .11¾- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust., bgs., c.l., same basis..lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .09¼- —
Singapore, Rasak, bold, bgs., c.l., same basis.....lb. .14 - —
chips, bgs., c.l., same basis, lb. .05¾- —
dust, bgs.,c.l.,same basis.lb. .03¾- —
nubs, bgs., c.l., same basis, lb. .09¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11½- —
light, bskts., c.l., same basis..lb. .18¾- —
Loba A, bskts., c.l., same basis..lb. .11 - —
B, bskts.,c.l.,same basis.lb. .10¾- —
C, bskts., c.l., same basis. lb. .10¾- —
CNE, bskts., c.l., same basis..lb. .06½- —
D, bskts., c.l., same basis, lb. .08¾- —
DK, bskts., c.l., same basis, lb. .06¼- —
dust, bskts.,c.l., same basis, lb. .05½- —
Sambas and white split chips, bskts, c.l., same basis..lb. .14 - —
Singapore, dust., bskts., c.l., same basis..lb. .05½- —
spirit-soluble, CBB, bskts., basis..lb. .08½- —
DBB, bskts., c.l., same basis..lb. .08¼- —
MA, bskts., c.l., same basis, lb. .06¾- —
MB, bskts., c.l., same basis, lb. .06 - —
WS, bskts., c.l., same basis, lb. .08¼- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .06¾- —
chips, pale, bskts., c.l., same basis..lb. .09¼- —
chips, pale, small, bskts., c.l., same basis..lb. .08¼- —
extra pale sorts, bskts., c.l., same basis..lb. .08¾- —
nubs, bskts., c.l., same basis..lb. .10¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Gum, Pontianak, bold, genuine, bgs., same basis..lb. .15¼- —
mixed, ugs., c.l., same basis..lb. .13¾- —
split, bgs., c.l., same basis, lb. .12 - —
chips, bgs., c.l., same basis, lb. .07½- —
nubs, bgs., c.l., same basis. lb. .10½- —
Dammar, Batavia, A. cs., c.l., same basis as copal.lb. .20 - —
A/D, cs., c.l., same basis.lb. .13¾- —
A/E, cs., c.l., same basis.lb. .11⅞- —
B, cs., c.l., same basis..lb. .18½- —
C, cs, c.l., same basis....lb. .14¼- —
D, cs., c.l., same basis...lb. .12¼- —
dust., cs., c.l., same basis.lb. .06⅝- —
E, cs., c.l., same basis...lb. .07⅜- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore 1, cs., c.l., same basis..lb. .13⅝- —
2, cs., c.l., same basis....lb. .10⅞- —
3, cs., c.l., same basis....lb. .05⅜- —
chips, cs., c.l., same basis.lb. .09¼- —
dust., cs., c.l., same basis, lb. .05⅝- —
seeds, cs., c.l., same basis, lb. .07⅛- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., divd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06 - .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
divd., western N.Y., and Pa., Ohio,Mich.,Ind.,Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. .....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
divd., elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07⅝
Euphorbium, cs. .....lb. .22 - .23
Galbanum, cs. .....lb. 1.00 - 1.50
Gamboge, pipe, cs.....lb. .55 - .60
powd., bbls.....lb. .60 - .65
Ghatti, soluble, bgs.....lb. .11 - .13
superior, bgs. .....lb. .09 - .11
Gualac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .14 - .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .58 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis, lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 3.50 Nom.
Locust bean, powd., bbls.....lb. .16 - .30
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .39 - .40
Olibanum, siftings, bls.....lb. .07½- .13
tears, cs. .....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .15 - .19
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs. .....lb. .09¼- .09½
Talha, bgs.....lb. .07½- .08
Thus, bbls. .....250 lbs.14.50 -14.75
Tragacanth, Aleppo, 1 cs...lb. 2.25 - 2.85
2, cs. .....lb. 1.90 - 1.95
3, cs. .....lb. 1.60 - 1.65
flake, bgs. .....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .08½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Hawthorn berries, bgs.....lb. .20 - .21
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore,white,root,powd.,bbls.lb. .11½- .12
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¼- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .05¼- .05½
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .08 - .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .38 - —

Geraniol—Isopropyl Ether

Hexamethylenetetramine, U.S.P., fib. ctns., works..lb. .40 - —
Homatropine hydrobromide, bots., 50 ozs..oz.18.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago, unit-ton. 2.65- —
Hops, N. F., bls.....lb. .15 - .20
Horehound, bls.....lb. .08 - .09
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz. .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E.ofMiss.R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 5%, kgs., 150 lbs.....lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.03
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.05 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.00 - 1.05
powd., bxs.....lb. 1.10 - 1.15
Irish moss, ordinary, bls.....lb. .09 - .10
powd., 80-90 mesh, bbls...lb. .20 - .22
prime, bleached, bls.....lb. .18 - .21
Iron acetate, N. F. IV, cbys, 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd.....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferris), tech., anhydr., 390-lb. dms.....100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equid..lb. .05 - .06
kegs, works, frt. alld. or equid..lb. .07½- .08
liquor, cbys., works, frt. alld. or equid..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equid..lb. .06½- .07
djns .....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots .....lb. 2.97 - —
cns., 25 lbs.....lb. 3.00 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.99 - —
syrup, djns.....lb. .37 - .38
bots .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .091 - —
W. of Rockies, frt. alld, lb. .06½- —
l.c.l., E. of Rockies, frt. alld..lb. .096 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .051 - —
W. of Rockies, frt. alld..lb. .05½- —
Alcohol (see Alcohol).
Isopropyl ether, dms., 5 gal., frt. alld..gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld..gal. .40 - —
W. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld. gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

V135123 JUN 5 1939 JU
XUM

Jaborandi—Methyl Acetone

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .15 - .18
powd., bbls., bxs.....lb. .20 - .22
Juniper berries, bgs.....lb. .05 - .06½

K

Kamala, tins.....lb. .21 - .22
Kaolin (see China clay).
Kava kava root, bls.....lb. .12½- .13
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks,gal. .04½- .04¾
Gulf ports, p.w., bulk, export, gal. .03½- .03¾
w.w., bulk..gal. .04 - —
Louisiana - Arkansas, 41-43 w.w, bulk..gal. .04 - .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03½- .04¼
42-44 w.w., tanks.....gal. .04¼- .04¾
Pennsylvania, 45 w.w., tanks. gal. .04¾- .04¾
46 w.w., tanks.....gal. .04¾- .05
47 w.w., tanks.....gal. .04¾- .06¼
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ ogs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07 - .08

L

Lady slipper root, bls.....lb. .38 - .40
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.75 - 7.00
Middlewestern, trcs....100 lbs. 6.70 - 6.80
Neutral, trcs. .....100 lbs. 7.50 - 7.75
Western, choice, trcs..100 lbs. 6.80 - 6.90
Compound, trcs. .....100 lbs. 8.75 - 9.00
Larkespur seed, bgs.....lb. .34 - .35
Laurel berries, bls.....lb. .09 - .10
Leaves, Greek, bls.....lb. .04 - .04½
Lavender flowers, ordinary, bls..lb. .25 - .27
medium, bls.....lb. .34 - .35
select, bls.....lb. .40 - .45
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —
Arsenate, bgs., c.l., dealers..lb. .10 - .11
l.c.l., bgs., dealers.....lb. .1015- .11½
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., divd., E.....lb. .06½- —
l.c.l., divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
¼lb., dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .10 - .15
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
other points .....lb. .07¼- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore and Wash.lb. .08½- —
Ore. and Wash.lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points.....lb. .07¾- —
smaller lots, etc.....lb. .08½- —
Ariz., etc.....lb. .09 - —
Ohio., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., etc. lb. .07¾- —
other points.....lb. .07½- —
l.c.l., 5 tons, divd., Ala., etc...lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, divd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
95%, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., etc..lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, divd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused, 15%, bbls...lb. .09¼- —
pale, bbls. .....lb. .11½- —
precip., bbls. .....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white, basic sulphate).
Lead, titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.., 5 tons, one delvy., E. frt. alld..lb. .10½- —
Pac. Cst., ex whse.....lb. .10¼- —
smaller lots, E. frt. alld. lb. .10½- —
Pac. Cst., ex whse....lb. .10¼- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., divd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
basic sulphate, l.c.l., divd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers..lb. .12¼- —
dealers .....lb. .10¼- —
painters .....lb. .11¼- —
Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls.. cs.....lb. .15 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass. ....ton. 6.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Rippiemead, Va. ....ton. 7.00 - —
Riverton, Va. ....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bgs., f.o.b., Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Rippiemead, Va. ....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.... .....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte., Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09¼
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .18
Zone 3, tanks, dealers, divd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks, except Cal..gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .08½- —
30-50 dms.....gal. .11 - .16
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.
Linalool, cns.....lb. 2.10 - 8.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .26 - .27
without leaves, bls.....lb. .18 - .19
Linseed, cake, bgs., export...ton.28.00 -28.50
Meal, 34%, bgs.....ton.38.00 - —
Litharge, com'l, powd., bbls., 2 tons divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06½- —
divd., other points....lb. .06¼- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07 - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06¾- —
smaller lots, divd., Ala., etc. lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo., etc.....lb. .07¾- —
other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.95 - —
25 lbs., works.....lb. 1.98 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.20
Lithopone, dom.,high-strength,bgs., 20 tons, divd., E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis..lb. .06¾- —
bbls., 20 tons, same basis.. lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 20 tons, same basis..lb. .04½- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .05¾- —
bbls., 20 tons, same basis, lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
Liverwort leaves, bls.....lb. .20 - .21
Lobelia herb, bls.....lb. .11 - .13
Seed, bgs.....lb. .34 - .35
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11¼
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .24 - .28
import, bls.....lb. .25 - .27
Lupulin, N. E., tins.....lb. 1.60 - 1.65
Lycopodium, cs.....lb. 1.18 - 1.20

M

Mace, Banda, cs.....lb. .51 - .52
Batavia, cs.....lb. .32½- .33
Slauw, cs. .....lb. .38 - .39
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .28 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1., bbls., c.l....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l., shipments, full frt alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including divd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b. Plymouth Meeting House, Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, flake, dom., bbls., wks., c.l..ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09¼- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton.....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Import, bags.....ton.56.00 -60.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots .....lb. .65 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .35 - .45
blue, bls. .....lb. .35 - .45
Leaves, bls. .....lb. .11 - .12
Manaca root, bls.....lb. .17 - .18
Mandrake root, bls.....lb. .09 - .10
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls.....lb. .07½- .07¾
Dioxide, African, battery, 84-87% bgs., 28-40 tons, works..ton.54.50 - —
5-15 tons, works.....ton.57.50 - —
½-4 tons, works.....ton.62.50 - —
300-600 lbs., works..ton.72.50 - —
Caucasian, 85-90% bbls., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works...ton.54.50 - —
smaller lots, works...ton.59.50 - —
burlap bgs., c.l., works.ton.49.25 - —
l.c.l., 5 tons, works, ton.52.25 - —
smaller lots, works.ton.57.25 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works...ton.50.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
Manganese, glycerophosphate, solut., ojns., 1,000-lb. lots..lb. .61 - —
smaller lots.....lb. .81 - —
cns., 25 lbs.....lb. .82 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.45 - —
jars, 25 lbs.....lb. 5.30 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52% basis, bbls., c.l., Alt. ports..unit-ton. .28 - .29 Nom.
Resinate, fused, 8½%, bbls..lb. .08¾- .09¾
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65%, $MnSo_4$, bgs., c.l., divd, South..ton.48.75 - —
c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03¼- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., non-fiberous shipt..ton.25.25 - —
Manna flake, large, cs.....lb. .45 - .46
small, cs.....lb. .24 - .25
Mannitol, reagent, pure cryst., cs., works..lb 1.05 - 1.10
commercial, cryst., bbl., ton lots, works..lb. .46 - —
smaller lots, works.....lb. .57 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .25 - .28½
Tunisan, bls. .....lb. .23 - .24
Matico leaves, bls.....lb. .22 - .23
Menthol, USP, natural, cs.....lb. 2.85 - 3.00
synthetic, tech., cs.....lb. 2.25 - —
USP, cs.....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .85 - —
25 lbs.....lb. .87 - —
50%, pails, 50 lbs.....lb. 1.23 - —
25 lbs.....lb. 1.25 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.90 - 1.94
¼lb., dms., 100 lbs.....lb. 1.77 - —
jars, 25 lbs.....lb. 1.79 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs.lb. 3.81 - 3.85
cns., 25 lbs.....lb. 3.70 - 3.75
¼lb., dms., 100 lbs.....lb. 3.70 - 3.75
yellow, bots., 5 lbs.....lb. 3.91 - 3.95
cns., 25 lbs.....lb. 3.80 - —
¼lb., dms., 100 lbs.....lb. 3.80 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl...lb. 1.51 - —
USP, ¼lb. dms., 50 lbs. or more..lb. 2.03 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.29 - —
¼lb., dms., 25 lbs.....lb. 1.17 - 1.22
Mesityl oxide, cns., works.....lb. .16 - .18
dms., c.l., divd.....lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.90
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
gold, XX deep, 23K, 3⅜x3⅜ in...pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅞ in.....pkg.22.50 -23.00
3⅜x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.40 - —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.
synth., pure, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .40½- —
2, frt. alld. or divd., gal. .47 - —
3, frt. alld. or divd..gal. .44½- —
4, frt. alld. or divd..gal. .00 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., divd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, divd., E. of Miss. R. lb. .09½- —
W. of Miss R.....lb. .10½- —
tech., dms., c.l., divd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., divd. E. of Miss., R..lb. .07½- —
W. of Miss R. .....lb. .08½- —
tanks, divd. E. of Miss. R., lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, tanks.....gal. .25 - —
Methyl acetone in drums, car lots, is 5c. per gal. higher, frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Methyl acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
Zone 4.....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt., alld. E. of Rockies..gal. .475- —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605- —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .315- —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355- —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Me., Md., Mass., Mich., Minn., Mo., Ky., N. J., N. Y., N. C., Ohio, Pa., R. I., N. H., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl. .....lb. .60 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 150-lb. cylinders. Prices on the 20-lb cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 1.85 - 2.00
Formate, dms. .....lb. .35 - .36
Lactate, dms., l.c.l., divd..lb. .30 - —
Iodide, bots.....lb. 3.68 - 3.80
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .39 - —
permanent, bbls. .....lb. .80 - —

Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcyclohexane, 98-100% dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100% dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100% dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp. bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.16.00 - —
Metronite pigment, 250 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works.....lb. .02 - —
500 lbs., works.....lb. .02½- —
100 lbs., works.....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works.....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works.ton..29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —

Methyl Acetone—Nitrogenous

Mica, wet-ground, paper, wall or coated, bgs., c.l., frt. alld., E..lb. .04½- —
l.c.l., ex-whse., or frt. all., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E., lb. .04 - —
l.c.l., ex-whse., or frt. alld., E..lb. .04½- —
wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed roller, bbls., c.l..lb. .06 - —
l.c.l. .....lb. .07 - —
spray, bbls., c.l.....lb. .06½- —
l.c.l. .....lb. .07½- —
unskimmed, roller bbls., c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16½- —
l.c.l. .....lb. .17½- —
Millet seed, yellow, bgs.....lb. .0350- .0375
early fortune, bgs.....lb. .0250- .0300
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .04½- —
f.o.b., New Orleans....gal. .03¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .56 - —
Monobutylamine, dms., c.l., works..lb. .62 - —
l.c.l. .....lb. .65 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniliin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).

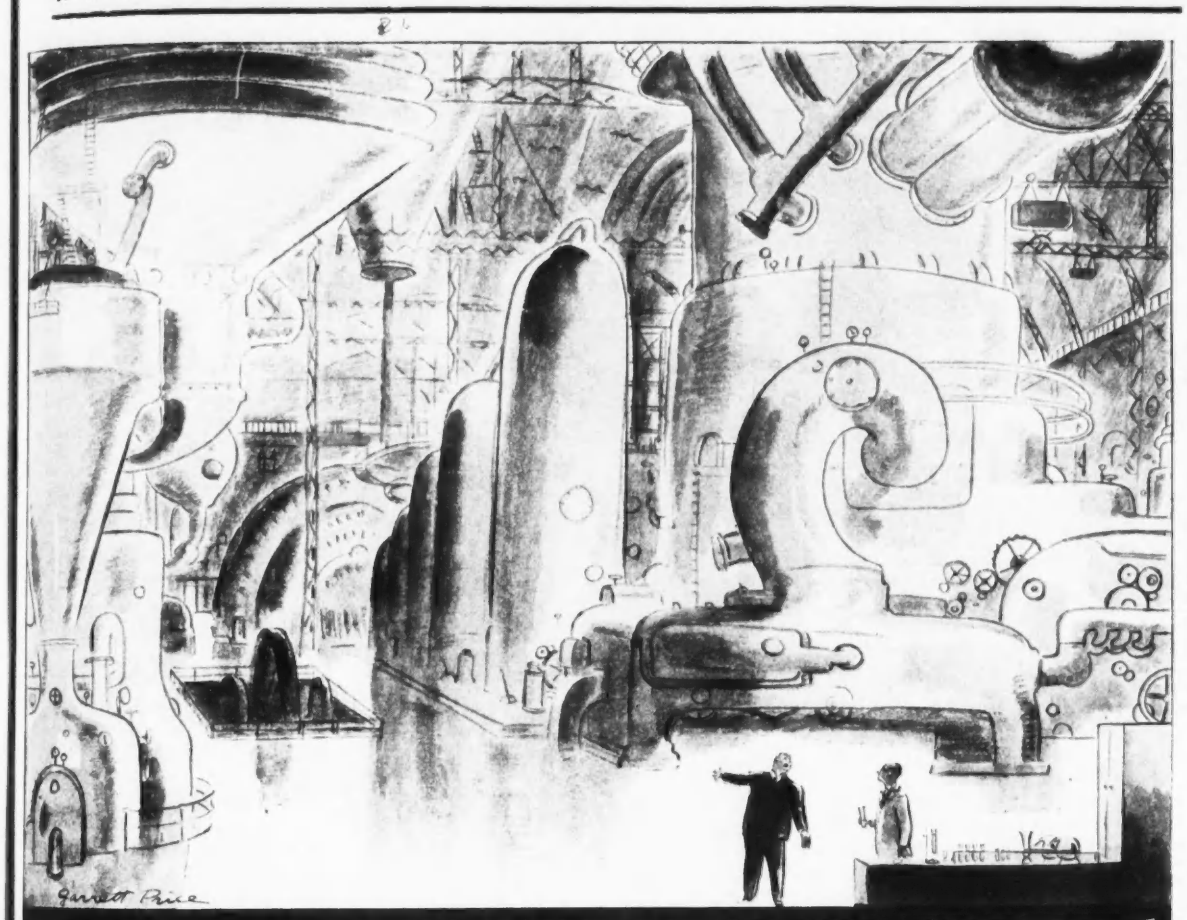
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs. .....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works ...lb. 1.00 - —
Mullein flowers, cns.....lb. .78 - .80
Leaves, bls. .....lb. .07 - .09
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb. .....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb. .....lb. 1.25 - —
Musk root, ols.....lb. .11 - .14
Mustard seed, Bombay, brown, bgs..lb. .03¾- .04¼
California, brown, bgs.....lb. .03⅞- .06¼
Chinese, yellow, bgs.....lb. .03⅝- .06¼
Danish, yellow, bgs.....lb. .09¼- .09½
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .09¼- .09½
Roumanian, yellow, bgs...lb. .03⅞- .06¼
Myrobalans, J1, bgs., shipt..ton.25.00 - —
J2, bgs., shipt.....ton.19.00 - —
R2, bgs., shipt.....ton.16.75 - —
Extract, liquid, 25%, bbls....lb. .03¾- —
solid, 50% bbls.....lb. .04¼- —
powdered, 70% bbls.....lb. .05 - —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works.. 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. port.100 lbs. 1.60 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .03¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .05¼- —
chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .03¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13¼
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., divd.....unit-ton. 1.90 - —
f.o.b. Chemical, Ill., unit-ton. No prices.



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V 135 N 23 JUN 5 1939 XUM

Nitrogenous—Oil, Lubricating

Nitrogenous fertilizer material 8-11% ammon., dom., bulk, f.o.b., East Coast producing points, unit-ton.		2.45	Nom.
Import, bgs., c.i.f. Atlantic ports, shipt., unit-ton.		2.50	- —
Nitronaphthalene, bbls.	lb.	.24	- .25
Nutgalls, Alleppo, bgs., cs.	lb.	.23	- —
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.19½	- —
110s, bgs., cs.	lb.	.16¾	- .17
West Indian, bgs.	lb.	.10	- .10¼
Nux vomica, bls.	lb.	.03¾	- .04
powd., bbls., bxs.	lb.	.06	- .07

O

Oakbark extract, 25% tan., bbls., c.l., whs.	lb.	.02½	- —
l.c.l., bbls., wks.	lb.	.03¾	- —
tanks	lb.	.02¾	- —
Ocher (see Yellow).			
Octanes, 100-140° C., mixed, dms., c.l., G.S.	gal.	.12½	- —
l.c.l., G.S.	gal.	.17	- —
tanks, G.S.	gal.	.10½	- —
Octyl acetate, dms., c.l., works.	lb.	.16	- —
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Oil, almond, bitter, artif. (see Benzaldehyde).			
natural, bots.	lb.	1.90	- 2.00
s.p.a., bots.	lb.	1.95	- 2.05
sweet, true, exp., cns.	lb.	.57	- .58
Amber, crude, cns.	lb.	.20	- .21
ref'd, cns.	lb.	.50	- .51
Amyris, cns.	lb.	3.00	- 3.25
Angelica root, bots.	lb.	40.00	-45.00
seed, bots.	lb.	70.00	-80.00
Anilin (see A).			
Anise, USP, cns., dms.	lb.	.67	- .68
Apricot, kernel, cns.	lb.	.28	- .32
Babassu, tanks	lb.	.06¾	Nom.
Bay, W. I., 50-55% phenols, cns.	lb.	1.15	- 1.20
55-60% phenols, cns.	lb.	1.25	- 1.30
Bergamot, artif., cns.	lb.	1.25	- 1.30
natural, coppers	lb.	3.65	- 3.85
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birch tar, crude, dms.	lb.	.15	- .18
rectified, cns.	lb.	.60	- .65
Bois de rose, Brazil, cns.	lb.	1.45	- 1.50
Cayenne, cns.	lb.	1.50	- 1.75
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	.44	- .46
USP IX, cns.	lb.	.50	- .52
Calamus, cns.	lb.	5.50	- 6.00
Camphor, sassafrassy, cns.	lb.	.30	Nom.
dms.	lb.	.27	Nom.
white, cns.	lb.	.30	Nom.
dms.	lb.	.27	Nom.
Cananga, native, cns.	lb.	1.25	- 1.30
rectified, cns.	lb.	1.80	- 1.85
Capsicum (oleoresin), N. F. VI, cns.	lb.	1.90	- 2.00
Caraway, USP, cns.	lb.	1.75	- 1.80
Cardamom, bots.	lb.	15.25	-25.50
Cassia, USP, cns., dms.	lb.	.85	- .90
Castor, blown, one-way dms., c.l.	lb.	.10¼	- —
l.c.l.	lb.	.11	- —
medicinal, bbls., c.l.	lb.	.08¾	- —
l.c.l.	lb.	.09½	- —
cns. (1-gal.), l.c.l.	lb.	.12½	- —
dms. (returnable), c.l.	lb.	.08½	- —
l.c.l.	lb.	.09¼	- —
(5-gal.), l.c.l.	lb.	.10½	- —
tanks	lb.	.08	- —
No. 3, bbls., c.l.	lb.	.08¼	- —
l.c.l.	lb.	.09	- —
dms. (returnable), c.l.	lb.	.08	- —
l.c.l.	lb.	.08¾	- —
tanks	lb.	.07½	- —
Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l., prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.			
sulphonated, 50% (43% fat), dms., c.l.	lb.	.06	- —
l.c.l.	lb.	.07	- —
75% (63% fat), dms., c.l.	lb.	.08¾	- —
l.c.l.	lb.	.09¾	- —
80% (68% fat), dms., c.l.	lb.	.09¼	- —
l.c.l.	lb.	.10¼	- —
Cedarleaf, cs.	lb.	.60	- .62
dms.	lb.	.55	- .57
Cedarwood, Oregon, cns., dms.	lb.	.28	- .30
Southern, cns., dms.	lb.	.18½	- .23
Celery, bots.	lb.	7.50	- 8.75
Chaulmoogra, USP, cns., 500 lbs.	lb.	.72½	- —
25 lbs.	lb.	.75	- —
Chinawood, dms.	lb.	.18½	Nom.
tanks	lb.	.17¾	Nom.
Cinnamon, Ceylon, bots.	lb.	8.50	-25.00
Seychelle, bots.	lb.	6.50	- 7.50
Citronella, Ceylon, cns.	lb.	.35	- .36
dms.	lb.	.33	- .34
Java, cns., dms.	lb.	.27	- .28
Clove, makers, USP, cns.	lb.	.98	- —
dms.	lb.	.95	- —
Coconut, Manila, crude, tanks, lb.		.03¾	- —
Pac. Cst.	lb.	.03¾	- —
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.08¾	- —
l.c.l.	lb.	.09½	- —
tanks	lb.	.07⅝	- —
Cod, Newfoundland, shipt., un-tanked.	gal.	.32	- .33
Norwegian, shipt., bbls.	gal.	.27	- .30
Codliver, med., USP, bbls.	bbl.	20.00	-21.00
Coriander, bots.	lb.	12.00	-12.50
Corn, crude, tanks, works.	lb.	.03¾	- .06
refd., bbls.	lb.	.08¾	- .09
Cottonseed, dom., cooking, bbls.	lb.	.08¼	- —
salad, bbls.	lb.	.08½	- —
import, Brazilian, semi-refd., bulk.	lb.	.0350	- Nom.
Creosote (see C).			
Croton, USP, cns.	lb.	1.30	- 1.35
Cubeb, USP, cns.	lb.	2.50	- 2.75
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	6.75	- 7.00
Cypress, dom., bots.	lb.	5.25	- 5.30
import, cns.	lb.	12.00	-12.25
Degras (see D).			
Diesel, Bayonne, bulk.	bbl.	1.65	- —
California, 24 plus, bulk.	bbl.	1.55	- —
Dill seed, bots.	lb.	2.70	- 3.00
weed, bots.	lb.	3.75	- 3.80
Dip (see D).			
Erigeron, cns.	lb.	2.40	- 2.55
Eucalyptus, cns.	lb.	.39	- .40
dms.	lb.	.37	- .38
Fennel, sweet, cns.	lb.	1.05	- 1.10
Fuel, bunker, California, tide-water.	bbl.	.90	- —
Gulf Coast	bbl.	.75	- .80
Louisiana, Arkansas, 10-14,	bbl.	.85	- 1.00
N. Y. and N. J. terminals:—			
Monday	bbl.	.95	- 1.05
Tuesday	bbl.	.95	- 1.05
Wednesday	bbl.	.95	- 1.05
Thursday	bbl.	1.05	- —
Friday	bbl.	1.05	- —
Saturday	bbl.	1.05	- —
North Texas, 18-22	bbl.	.85	- .90
24-28, zero cold test	bbl.	1.00	- 1.05
Oil, fuel, bunker, Oklahoma, 18-22,	bbl.	.85	- .90
24-28, zero cold test	bbl.	1.00	- 1.10
24-28, 15 and above	bbl.	.85	- .90
Pennsylvania, 36-40	gal.	.04	- .04⅛
Furnace, Bayonne, 1, bulk, refinery.	gal.	.04⅝	- —
2, bulk, same basis	gal.	.03¾	- —
4, bulk, same basis	gal.	.03⅞	- —
Louisiana - Arkansas, 32-36, light straw.	gal.	.03¼	- .03⅜
Oklahoma, 28-30	gal.	.03	- —
32-36	gal.	.03⅝	- .03½
36-38	gal.	.03⅝	- .03⅝
38-40, straw	gal.	.03⅝	- .03⅝
38-40 zero, 60 e.p.	gal.	.03¾	- .04
Fusel (see F).			
Gas, Bayonne, bulk	gal.	.04	- —
Gulf Coast, bulk	gal.	.03½	- —
North Texas, bulk	gal.	.02⅞	- .03⅛
Oklahoma, bulk	gal.	.02⅞	- .03⅛
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.,	lb.	2.65	- 3.50
Bourbon, cns.	lb.	2.65	- 3.00
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	1.55	- 1.75
Grapeseed, dms.	lb.	.40	- .60
Ginger, dist., bots.	lb.	4.50	- 4.75
Guaiac wood, concrete, bots.	lb.	2.10	- 2.25
Haarlem, import, bots.	gross	3.15	- 3.25
Halibut-liver, dms., 1,000 A unit.	gal.	.75	- 1.00
Hemlock, cns.	lb.	.65	- .70
Juniper berry, USP, cns.	lb.	1.10	- 1.30
Wood, tech., cns.	lb.	.45	- —
Juniper tar, USP XI, 1,000 lbs., dms.	lb.	.38	- .39
cns	lb.	.40	- .41
Lard, common, 1, bbls.	lb.	.08½	- —
2, bbls.	lb.	.08¾	- —
extra, bbls.	lb.	.08¾	- —
1, bbls.	lb.	.08¾	- —
Winter, strained, extra, bbls.,	lb.	.09¼	- —
prime, burning, bbls.	lb.	.09¾	- —
prime, ined., bbls.	lb.	.09¾	- —
Oil, laurel, bots.	lb.	6.25	- 6.50
Lavandin, cns., 25 lbs.	lb.	1.60	- 1.65
Lavender flower, French, 50% ester, cns.	lb.	4.50	- 4.75
38-42% ester, cns.	lb.	3.25	- 4.00
35-38% ester, cns.	lb.	2.75	- 3.00
30-32% ester, cns.	lb.	2.00	- 2.25
garden, cns.	lb.	.42	- .45
spike, Spanish, tech., cns.	lb.	1.05	- 1.10
dms.	lb.	.95	- 1.00
Lemon, Calif., cns.	lb.	2.50	- —
Messina, coppers, cns.	lb.	2.75	- 3.25
Lemongrass, native, cns., dms.,	lb.	.38	- .40
Lime, dist., Mexican, cns.	lb.	2.65	- 2.70
West Indian, cns.	lb.	3.00	- 3.10
expressed, cns.	lb.	6.50	- 6.75
Linaloe wood, cns.	lb.	1.25	- 1.30
Linseed, boiled, bbls., c.l.	lb.	.0940	-.0960
l.c.l., 5 or more	lb.	.0980	-.1000
less than 5	lb.	.1020	-.1040
tanks	lb.	.0880	-.0900
double boiled, bbls., less than	lb.	.1040	-.1060
ram, bbls., c.l.	lb.	.0900	-.0920
l.c.l., 5 or more	lb.	.0960	—
less than 5	lb.	.1000	—
tanks	lb.	.0840	-.0860
Lovage, bots.	lb.	41.25	-60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—			
California, green, 70, 80, 100, vis., dms.	gal.	.20	- —
140 vis., dms.	gal.	.25	- —
green, pale, 750, 900 vis., dms.	gal.	.26	- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms.	gal.	.26	- —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks.	gal.	.18½	- —
15-25 pour, tanks.	gal.	.17½	- —
150-160 D, color, 4½, 0-10 pour, tanks.	gal.	.20	- —
15-25 pour, tanks.	gal.	19	- —
Oil, lubricating at refinery (Including U. S. tax 4c. per gal):—			
Oklahoma, bright stocks, 150-160 E, color 5½, 15-25 pour, tank.	gal.	.18½	- —
190-200 D, color 4¼, 10-25 pour, tanks.	gal.	.23	- —
200-210 E, 15-25 pour, tanks.	gal.	.22	- —
neutrals, 0-10 pour, 150 vis., 3 color, tanks.	gal.	.13	- —
180 vis., 3 color, tanks.	gal.	.14	- —
4 color, tanks.	gal.	.13½	- —
200 vis., 3 color, tanks.	gal.	.14½	- —
4 color, tanks.	gal.	.14	- —
250 vis., 3 color, tanks.	gal.	.15½	- —
4 color, tanks.	gal.	.15	- —
280 vis., 3 color, tanks.	gal.	.16¼	- —
4 color, tanks.	gal.	.16	- —
300 vis., 3½ color, tanks.	gal.	.17	- —
350 vis., same basis.	gal.	.17½	- —
400 vis., same basis.	gal.	.18	- —
500 vis., same basis.	gal.	.18¼	- —
600 vis., same basis.	gal.	.19	- —
18-25 pour prices are ½c. per gallon higher than zero to 10° pour.			
600 cold test, 10-15 pour, tanks.	gal.	.15	- —
cylinder, 600 fire, tanks.	gal.	.08¼	- —
600 flash, tanks.	gal.	.10	- —
630 flash, tanks.	gal.	.13	- —
635 fire, tanks.	gal.	.09	- —
650 fire, tanks.	gal.	.09¼	- —
Warren, E, amber, tanks.	gal.	.11	- —
Penna, Warren, E, neutral, 150 vis., 3 color, tanks.	gal.	.14¼	- —
180 vis., 3 color, tanks.	gal.	.15¼	- —
200 vis., 2 color, tanks.	gal.	.16¼	- —
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.22	- —
unfiltered, 600 s.r.	bbls., f.a.s.	gal.	.15½ - —

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USI SOLVENT NEWS USI

Reg. U.S. Pat. Off.

June ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1939

Emulsified Gravure Inks Are Water- and Fire-proof; Dry Fast

LONDON, England — The first complete account of new, non-flammable rotogravure printing inks which German chemists have developed from emulsions of manila copal resin, sulphonated oil, ethyl alcohol and water is published here in *Paint Manufacture* in an article by its Berlin correspondent.

The report brings out the point that although the inks contain a high percentage of water (and can be further diluted) they dry tack-free in a few seconds without "striking through" and are waterproof after drying.

Reduce Health Hazard

It is thought that the new inks can replace other types formulated with drying oils, resin and inflammable solvents and thus reduce the health hazard. Press runs, it is claimed, have demonstrated good printing qualities and working properties.

In preparing the emulsions, manila copal resin is dissolved in alcohol and sulphonated oil, dispersed in water with ammonia and triethanolamine, and water-insoluble dyes or pigments added. The finished inks contain about 10% alcohol. Any desired consistency can be prepared, it is claimed.

Anhydrous Alcohol Aids Dry Cleaning Solvents

PARIS, France—The use of anhydrous alcohol in the manufacture of detergent compositions for boosting the cleaning action of commonly used dry cleaning solvents such as trichlorethylene, perchlorethylene and naphtha is disclosed in a recent French patent.

Small amounts dissolve completely in the solvents, increasing their general effectiveness and, because of the dehydrating action of the anhydrous alcohol, the inventor points out, take up any residual moisture that garments tend to absorb from the air under certain conditions to the detriment of the cleaning process.

A typical detergent is made by mixing 30-50 parts of xylol with 15-30 parts of oleic acid, emulsifying the mixture with 10-20 parts of a 20% solution anhydrous ammonia in ethyl alcohol, adding finally 20-50 parts of anhydrous alcohol and 10-20 parts of tetralin.

Anhydrous alcohol is produced by U.S.I.

U. S. Using More Acetate Sheets to Protect Paper

WASHINGTON, D. C.—A sharp increase in the use of transparent cellulose acetate sheeting for the protection of government documents is reported in World Trade Notes. Developed several years ago by the National Bureau of Standards, the process was adopted by the U. S. National Archives as the best and only feasible means of protecting their vast amount of documents, the report continues.

The thin, stable acetate sheeting forced into the pores of the paper by heat and pressure is highly transparent, strong, resists insects and is easily cleaned with water.

Check Benzol Poisoning By Taking Doses of Vitamin C

BERLIN, Germany — Additional experimental evidence that doses of vitamin C increase the resistance of humans to benzol poisoning was reported here recently in *Farben Chemiker*.

The same vitamin, lack of which is an important cause of scurvy, also has been used successfully in curing benzol poisoning in animals as well as in humans, it is asserted. A test which determines the amount of ascorbic acid in the urine is suggested for an early diagnosis.

Reveals Dip Process For Decorating Fabric, Paper

CINCINNATI, Ohio—Decoration of fabrics or paper by a flotation process in which a pigment-bearing film of water-repellent solvent is "picked up" from water and deposited in as many as 12 different configurations is described in a patent issued to an inventor here.

The use of water-repellent (but pigment wetting) solvents which evaporate readily makes it possible to dip the decorated fabrics in any suitable resin and incorporate them in laminated sheets without fear of incompatibilities such as formerly occurred when hard-to-remove or reactive gum binders were used to suspend the pigments, the inventor declares.

Suitable water-repellent solvents listed in the patent papers include ethyl acetate, butyl acetate, butyl alcohol, dialkyl phthalates, amyl alcohol. A flotation apparatus is described.

All of the above solvents are produced by U.S.I.

Change New York Phone Number

Effective June 12th, the telephone number of U.S.I.'s New York sales office and executive headquarters will be changed to MUrray Hill 2-6700. The address remains unchanged—Lincoln Building, 60 East 42nd Street, New York, N. Y.

Predict Wider Use Of Ethyl Formate In Coatings, Synthesis

U.S.I. Product Is Vinyl Resin Solvent; Vitamin Intermediate

In two new uses, perhaps the most unusual yet developed, the U.S.I. product, Ethyl Formate, has given chemists of both the surface coatings and synthetic organic chemical fields a revealing glimpse into some of its further possibilities.

As recently as 1935, many investigators had thought of Ethyl Formate principally in terms of its major use as a fumigant and larvacide in the packaging of foodstuffs. Because it evaporates rapidly without residual taste or odor, it is still one of the best agents for controlling the infestation of tobacco, cereals, dried fruits and similar products.

Additional applications for Ethyl Formate then included — and still include — several therapeutic uses, and the manufacture of perfume compounds and synthetic flavoring bases. (Ethyl Formate has a pleasant odor resembling fresh peach kernels.)

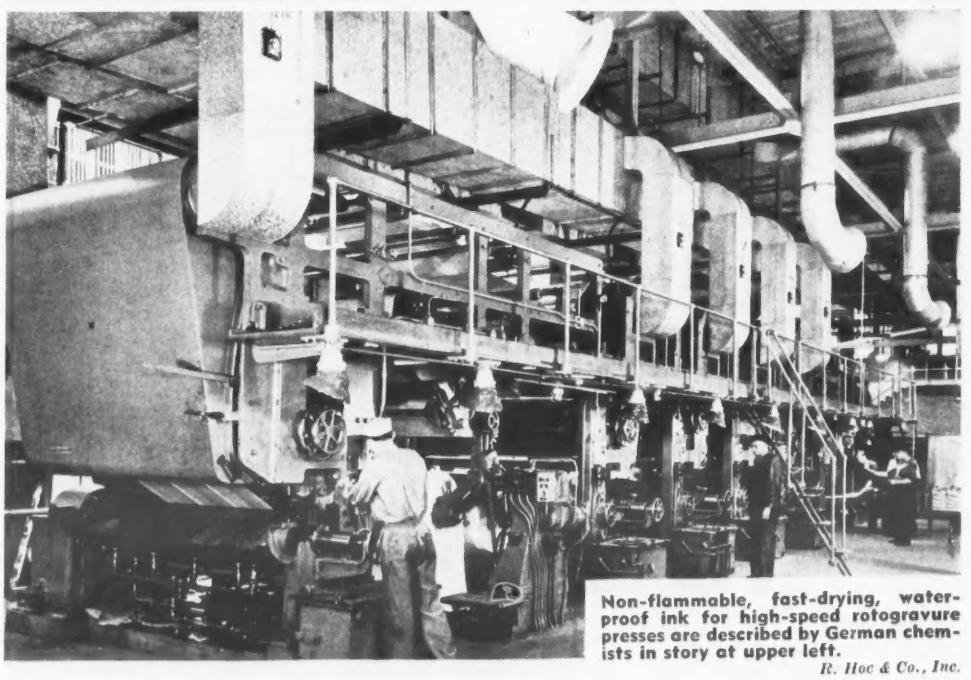
Total Synthesis of Vitamin B_1

However, the potentialities of Ethyl Formate in the organic chemical field became known to most chemists in 1936 when a complete account of one of pharmaceutical chemistry's major achievements—the total synthesis of thiamin chloride (crystalline vitamin B_1)—was published.

Then it was revealed that Ethyl Formate reacted with ethyl beta-ethoxypropionate to yield a crude derivative which, when treated with acetamine hydrochloride, gave 2-methyl-5-ethoxymethyl-6-oxypyrimidine.

By transforming this compound to 2-methyl-5-bromo-methyl-6-aminopyrimidine, a substance bearing a resemblance to the hypnotic, barbital, and combining it with 4-methyl-5-

(Continued on next page)



Non-flammable, fast-drying, waterproof ink for high-speed rotogravure presses are described by German chemists in story at upper left.

R. Hoe & Co., Inc.

ADVERTISEMENT—*This entire page is a paid advertisement.*

June ★ SOLVENT NEWS ★ 1939

Effect of Indirect Lighting on Color Schemes Emphasized

General principles for selecting paint colors to give maximum illumination efficiency are outlined by S. G. Hibben, Westinghouse expert on applied lighting, in a recent article.

"In choosing colors for large painted surfaces likely to affect illumination . . . selection should not depend on eye observations alone," Mr. Hibben maintains. "Often it is possible to select equally pleasing colors and yet have a gain of 10 to 15% in reflecting value."

With modern indirect lighting, "areas above the general level of picture molding should have reflection values of 80% or higher," according to Mr. Hibben. Tests conducted by him under both incandescent and mercury light show that only white paints meet this requirement.

Following nature's outdoor lighting scheme, the horizon zone half as bright as the sky and the lower foreground half as bright as the horizon, he suggests reflection coefficients of about 45% for upper wall surfaces and about 20% for lower walls and floors.

New Coatings, Syntheses Made With Ethyl Formate

(*Continued from previous page*)

B-hydroxyethylthiazole, a pyridine-like sulfur-containing chemical related to certain rubber accelerators and photographic sensitizing agents, the commercial synthesis of the vitamin was effected.

Along entirely different lines and suggesting still other possibilities is the unique use, according to a recent patent, of Ethyl Formate as a solvent for polyvinyl formaldehyde acetal resins. This application is based upon the discovery that Ethyl Formate was the only solvent which would evaporate almost completely from films, sheets and varnishes of the resins in the curing process.

Contrariwise, solvents such as methyl acetate, ethyl acetate, propyl formate, ethylene chloride and others did not evaporate completely, high percentages being retained except after costly curing.

Ethyl Formate is also an active solvent for several cellulose esters and ethers. It is soluble in most organic solvents and, according to recent work, hydrolyzes at a rate which increases with increments in the mol fraction of water present and decreases with increasing concentrations of hydrochloric acid.

In other organic syntheses with Ethyl Formate, the Claissen reaction is employed. Because of the great reactivity of the keto and carboxy aldehydes produced, this reaction may pave the way to further syntheses.

Ethyl Formate is a standard U.S.I. product. Manufacturers desiring samples or further information for test purposes may secure them by writing to U.S.I.

Gun Sprays Solox-Water Mix to Speed Pressing

Spraying a mixture of Solox, U.S.I.'s proprietary solvent, and water on shirts, pajamas, etc., before ironing not only cuts pressing time in half, but also improves appearance, a large textile company has found. Another pressing operation involves the use of Solox and water for ironing collars lined with "dry" linings to produce a good crease and increase the adhesion.

The automatic spray gun illustrated is particularly suited for both of these applications, according to the manufacturer.

U.S.I. will be glad to supply the manufacturer's name as well as information on Solox.

Alcohol Treatment Gives Sharper Offset Printing

WASHINGTON, D. C.—How sharper offset printing plates can be obtained by first pretreating with alcohol the proteins employed in the photographic emulsion is revealed in a patent awarded here.

Pretreating the proteins with warm alcohol makes the developer tan them to a greater degree and in shorter time with the result, declares the inventor, that non-exposed parts of the emulsion are more readily washed out and yield reliefs with higher contrast when 70% alcohol is applied after developing.

The process is said to combine the advantages of the bichromate films and the highly sensitive photographic plates hitherto used.

A ready-reference vitamin chart defining all the standardizing units in current use as well as approximate equivalents and conversion factors may be secured free of charge by writing to U.S.I. Ask for Bulletin 120.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A rust-preventing, rapid-drying, lubricating coating for steel consists of graphite, between 93% and 96% pure carbon, ground to about 325 mesh, in a vehicle containing no lead or varnish, the manufacturer announces. Protection of steel surfaces which are stored, then shipped in a limited time, is a suggested application. **(No. 220)**

U S I

Crateless aluminum carboys for shipping acetic acid, formaldehyde, essential oils, wetting agents, soft drink syrups, vitamin concentrates, and other non-regulatory chemicals have the same 13-gal. capacity of glass-and-wood units, but weigh only 16 lb. instead of 65, an announcement states. The containers are not harmed by spillage and overflow, the report continues, and are fitted with flat-top, folding handles for easy handling and stacking. **(No. 221)**

U S I

A "non-skid" abrasion-resistant finish containing 8 lbs. of refractory pigment per gallon of varnish vehicle is described as exceptionally suitable for conveyors, chutes, blades of blower and ventilating fans, grain slides, etc. When coated over smooth concrete, terrazzo, marble, wood and steel stairs and floors the coating is said to provide low cost assurance against slipping. **(No. 222)**

U S I

A very small, light-weight moisture detector indicates when wood or plaster is in proper condition for painting and may be used by paint manufacturers to ascertain the reasons for peeling or blistering, a recent announcement states. The device is said to be direct reading, more sensitive and easier to use than previous models. **(No. 223)**

U S I

A primer for rusty surfaces saves the expense of sandblasting or cleaning and by its sealing action prevents further rusting of the metal, making it safe for the application of any finish paint coat, the manufacturer states. **(No. 224)**

U S I

A suede-like surface is produced by a new lacquer finish, the manufacturer claims. He recommends it for work where no light reflection is desired and as a "roller coat" on wall board. Several pastel shades are available. **(No. 225)**

U S I

A new commercial odor absorber with an activated carbon "filter" which can be reactivated when necessary, is said to remove completely the odors of hydrogen sulphide, sulphur dioxide, solvents, gasoline, chlorine, body odors, etc., from entrance or exhaust air. By assembling the necessary number of units any volume of air and degree of odor concentration can be handled, the manufacturer states. **(No. 226)**

U S I

Preservation of blueprints, charts and maps is claimed for a new "dry" backing cloth. Requiring no adhesive, the backing is applied with a hot iron, seals paper against moisture and is permanently flexible, according to the manufacturer. **(No. 227)**

U S I

Porous hard rubber containing openings 2 to 5 microns in diameter has been developed for filtration work, a recent announcement states. Several thicknesses are available. **(No. 228)**

U.S.I INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

*ANSOLS
Ansol M
Ansol PR

ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

ESTERS, ETHYL
*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

ESTERS, PHTHALATES
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Butyl-mesityl-oxide-oxalate
Cellulose Acetate
Collodions
*Curbay Binders
*Curbay X (Dried Curbay)
*Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone

Oil, lubricating spot Penna., unfiltered, 600 flash, s. r., bbls., c.l..gal. .17½- —
650 flash, bbls., c.l., f.a.s., gal. .20½- —
Warren, E, bbls., c.l., f.a.s., gal. .20 - —
smaller lots, f.o.b..gal. .21 - —
Mace, dist., cns., dms.....lb. 1.12 - 1.15
Mandarin, superior, coppers..lb. 5.75 - 6.00
Menhaden, crude, tanks, f.o.b. Balto..gal. .28 Nom.
refd., alkali, dms.....lb. .0720- —
tanks .....lb. .0660- —
refd., blown, dms.....lb. .0720- —
kettle-bodied, dms.....lb. .0820- —
light, pressed, dms.....lb. .0660- —
tanks .....lb. .0600- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.60 - 1.65
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls. .....gal. .65 - —
Neatsfoot, 20° cold test, bbls., lb. .14¾- —
extra, bbls. .....lb. .09 - —
1, bbls. .....lb. .08¾- —
pure, bbls. .....lb. .12½- —
prime, bbls. .....lb. .09¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.85.00 - 140.00
Nutmeg, USP, cns., dms....lb. 1.12 - 1.15
Oiticica, dms. .....lb. .12½- .13
Oleo, 1, bbls.....lb. .08 - —
2, bbls. .....lb. .07½- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .83 - .84
edible, bbls.....gal. 1.75 - 2.00
foots, bbls.....lb. .07 - .07¼
sulphonated, 50% (43% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .13½- —
l.c.l. .....lb. .14½- —
80% (68% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15½- —

Oil, orange, sweet, dist., cs....lb. .50 - —
Expressed, African, cns., dms. lb. .80 - .85
Calif., cns.....lb. 1.00 - —
Messina, USP, coppers.lb. 2.00 - 6.00
West India, cns.....lb. 1.70 - 1.75
Origanum, cns.....lb. .90 - 1.00
Orris, Florentine, concrete, extra strong bots..oz. 4.75 - 5.50
Palm, Niger, csks.....lb. .03¾- .03⅞
shipment .....lb. .03 Nom.
softs, 12½%, bulk, shipt....lb. .0275 Nom.
20%, bulk, shipt.....lb. .0265 Nom.
Sumatra, shipt., bulk.....lb. .0270 Nom.
Palmarosa, cns.....lb. 2.00 - 2.25
Palmkernel, bulk, shipt.....lb. .0360 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 3.25 - 6.50
Peanut, crude, dom., tanks..lb. .05¾- .05¾
refd., edible, bbls.....lb. .08¾- .09
Pennyroyal, dom., cns.....lb. 2.10 - 2.15
import, cns. .....lb. 1.85 - 1.90
Peppermint, natural, cns., dms. lb. 2.15 - 2.40
redist., USP, cns., dms....lb. 2.40 - 2.65
Perilla, dms. .....lb. .10 - .10½
tanks .....lb. .0950- .0960
Petitgrain, Paraguay, cns...lb. .80 - .85
Pimento berry, cns.....lb. 3.35 - 3.65
leaf, cns.....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports....gal. .50 - .53
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 95 - 1.00

Oil, putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .26 - —
Rapeseed, blown, bbls.....lb. .14 - .14¼
denat., bbls. .....gal. .80 - .83
Red, dist. or saponif., bbls., dlvd..lb. .07¾- .08¼
dms., dlvd.....lb. .07¼- .08¼
tanks, dlvd.....lb. .06½- .07½
white, dms.....lb. .10¾- .11¼
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 3.75 - 3.95
Sage, cns.....lb. 1.60 - 1.65
Sandalwood, E. I., USP, cns.lb. 4.50 - 4.95
Mysore, cns., case lots....lb. 19s 6d
Sardine, crude, tanks, Pac. Cst..gal. .33 Nom.
refd., alkali, dms.....lb. .0720- —
tanks .....lb. .0660- —
kettle-bodied, dms.....lb. .0820- —
light, pressed, dms.....lb. .0660- —
tanks .....lb. .0600- —
Sassafras, artif., cns.....lb. .38 - .39
dms. .....lb. .36 - .37
natural, cns., dms.....lb. .90 - 1.00
Savin, cns.....lb. 1.60 - 1.65
Savory, cns.....lb. 2.00 - 2.25
Sesame, refd., import, dms..lb. .09½- .09¾
Shingle stain, bbls., c.l., wks., gal. .19 - —
l.c.l., works .....gal. .21 - —
tanks, works .....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00

Oil, Lubricating—Paraffin

Oil, soybean, dom., crude, dms..lb. .0610- .0650
tanks .....lb. .0650- —
refd., dms.....lb. .0730- .0770
tanks .....lb. .0670- —
Spearmint, USP, cns.....lb. 1.70 - 1.75
Sperm, bleach, 38°, dms....lb. .0900- .0920
46°, dms.....lb. .0830- .0850
natural, dms.....lb. .0780- .0800
Spruce, cns., dms.....lb. .70 - .90
Sweet, birch, North, cns....lb. 2.25 - 2.65
South, cns.....lb. 1.55 - 1.60
Tall, crude, dms., c.l., works, ton.45.00 - —
l.c.l., works.....ton.50.00 -65.00
tanks, works.....ton.35.00 - —
refined, dms., c.l., works...lb. .05½- —
l.c.l., works.....lb. .06 - —
tanks, works.....lb. .05 - —
Tallow, acidless, bbls.....lb. .08½- —
tanks .....lb. .08 - —
Tansy, cns.....lb. 8.00 Nom.
Tar, coml. dms., c.l., dlvd., E. cities..gal. .25 - .26
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities...gal. .20 - —
Tar, rectfd., USP, bbls., dlvd., E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .09¼- .09½
refined, dms.....lb. .10¾- .11
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. 1.10 - 1.15
white, dms. .....lb. 1.15 - 1.25
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.40 - 2.90
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots.....lb. 8.00 - 8.25
Vetiver, bots.....lb. 3.50 -15.00
Walnut, crude, dms.....lb. .13 - .13¼
refd., dms. .....lb. .14 - .14½
Whale, refd., natural, dms...lb. .0770- .0790
winter, bleach, dms.....lb. .0810- .0830
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, dms., tech., 50-60 vis., dms.....gal. .40 - —
65-75 vis., dms.....gal. .42 - —
80-90 vis., dms.....gal. .43 - —
USP, 80-90 vis., dms....gal. .46 - —
95-105 vis., dms.....gal. .53 - —
125-135 vis., dms.....gal. .60½- —
140-150 vis., dms.....gal. .64 - —
175-185 vis., dms.....gal. .68½- —
200-210 vis., dms.....gal. .70½- —
320-330 vis., dms.....gal. .76 - —
335-345 vis., dms.....gal. .77 - —
Russian, 80-90 vis., dms., gal. .46 - —
145-155 vis., dms.....gal. .64½- —
175-185 vis., dms.....gal. .68½- —
335-345 vis., dms.....gal. .77 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.05 - 2.15
Wormwood, cns.....lb. 3.50 - 3.75
Ylang-ylang, Bourb., bots., cns., lb. 2.50 - 3.00
Manila, bots.....lb.18.00 -24.00
Olivine, aggregate, c.l., mines, ton. 5.00 - 8.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
ground, 200 mesh, c.l., mines, ton.15.00 - —
20 mesh to dust.....ton.10.00 - —
Opium, USP, cns.....lb.11.50 -12.50
gran., cns. .....lb.12.50 -13.50
powd., cns .....lb.12.50 -13.50
Orange, Lake, Persian, bbls..lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .10¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .11 - —
Colo., Mont., N.M., Wyo. lb. .10¾- —
Other points .....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc.....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¼- —
Other points .....lb. .10¾- —
French, Tours, casks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .37
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls.....lb. .12 - .13
Orris root, Florentine, bgs....lb. .10 - .11
fingers, cs. .....lb. .85 - .90
powd., bbls., bxs.....lb. .12 - .13
Verona, bls. .....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms. .....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms. .....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms. .....lb. .08 - —
Orthotoluene hydrochloride,dms.lb. .22 - —
Sulphonate, kgs. .....lb. 2.00 - 2.05
Orthotoluidin, dms. .....lb. .16 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls. .....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.10 - 1.15
Paprika, Hungarian, extra fancy, bgs..lb. .30 - .31
medium, bgs. .....lb. .29 - .29½
Portuguese, extra fancy, bgs., lb. .28 - .29
fancy, bgs. .....lb. .27 - .28
Spanish, extra fancy, cs.....lb. .38 - .39
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .16½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0300 Nom.
bbls., c.l., N.Y.....lb. .0295 Nom.

*M*ighty sound advice from your claim adjuster, a practical man who realizes the importance of safe packaging—that's why he suggests cans.

Day in and day out he sees the advantages of cans—their sturdiness that prevents breakage—their lighter weight which means lower shipping costs and easier handling.

What he may not realize is that in addition, cans offer greater display value and wider salability due to consumer convenience in usage.

Consider these factors—then judge for yourself whether your product wouldn't be better packaged in a quality can—made by Continental!

There is hardly a product that wouldn't be more acceptable packaged in a can—although "knowing haw" may sometimes be a matter of laboratory research or package design.

Continental offers complete facilities for determining your needs. Call upon us anytime.

CONTINENTAL CAN COMPANY

NEW YORK · CHICAGO · SAN FRANCISCO · MONTREAL · TORONTO · HAVANA

Paraffin—Petroleum Ether

Paraffin, crude, scale, white, 124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.0300 Nom.
bbls., c.l., N. Y.	lb.	.0295 Nom.
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.0295 Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.03¾- —
loose, c.l.	lb.	.0355- —
125-127 A.m.p., bgs., c.l.	lb.	.0390- —
loose, c.l.	lb.	.0370- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0400- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0435- —
133-135 A.m.p., bgs., or loose, cl.	lb.	.0465- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0490- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0565- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0660- —
151-153 A.m.p., bgs., or loose, c.l.	lb.	.0850- —
Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.02½- .02⅝
semirfd., solid., 122-124 A.m.p., bgs.	lb.	.02¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis	lb.	.35 - —
Paraldehyde, tech., 99% 55 and 100 gal. dms., c.l. works	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
Paraldehyde, tech., l.c.l., works,	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitroanilin, kgs., works	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.35 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.56 - —
Pareira brava root, bls.	lb.	.15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld.,	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.07 - .08
Patchouli leaves, bls.	lb.	.18 - .20
Pellitory root, bls.	lb.	.13 - .14
Pennyroyal leaves, bls.	lb.	.13 - .14
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3.	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppey, bgs.	lb.	.07 - .07¼
Lampong, bgs.	lb.	.03½- .03⅝
Tellicherry, bgs.	lb.	.07½- .07¾
Red, chillies, Japan, Hontaka.	lb.	.17¾- .18
Mombassa, bgs.	lb.	.23½- .23⅝
White, Java, Muntok, bgs.	lb.	.07 - .07⅜
Saigon, bgs.	lb.	.06¾- .07¼
Peppermint leaves, dom., bls.	lb.	.23 - .24
import, bls.	lb.	.45 - .46
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
5 dms., same basis.	lb.	.08¼- —
less than 5 dms., same basis,	lb.	.08¾- —
Zone 2, dms., c.l., works, frt., alld.	lb.	.08½- —
5 dms., same basis.	lb.	.09 - —
less than 5 dms., same basis,	lb.	.09¼- —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
5 dms., same basis.	lb.	.09½- —
less than 5 dms., same basis,	lb.	.09¾- —
Perchlorethylene, Zone 4, dms., c.l., f.o.b., stock points.	lb.	.09 - —
5 dms., same basis.	lb.	.09½- —
less than 5 dms., same basis,	lb.	.09¾- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.66 - .68
Petrolatum, amber, dms., c.l.	lb.	.02⅝- —
l.c.l.	lb.	.03¾- —
amber, extra, dms.	lb.	.02⅞- —
l.c.l.	lb.	.04 - —
veterinary, dms., c.l.	lb.	.02½- —
white, cream, dms., c.l.	lb.	.04¼- —
l.c.l.	lb.	.05¼- —
lily, dms., c.l.	lb.	.05¼- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.06¼- —
l.c.l.	lb.	.07¼- —
Petroleum, crude, bulk, at wells:—		
California:—		
Alamitos Heights	bbl.	.74 - .98
Athens	bbl.	.84 - 1.00
Beiridge wells, California, Buena Vista Hills.	bbl.	.70 - 1.32
	bbl.	.70 - 1.88
Canal-Greely	bbl.	.91 - 1.68
Coalinga	bbl.	.70 - .90
Coyote Hills (West)	bbl.	.78 - 1.32
Dominguez	bbl.	.79 - 1.00
East Coyote	bbl.	.76 - .96
Elk Hills	bbl.	.70 - 1.38
Elwood Terrace, f.o.b. ship.	bbl.	1.28 - 1.43

Uniformity is Important in a Lacquer Diluent . . . .

Skellysolve's reputation for quality and uniformity is protected by a skilled technical staff, and by highly specialized plant equipment.

But it's only ONE of the Reasons SKELLYSOLVE is so Widely Used in the Paint and Varnish Industry

In working with our friends in the paint, lacquer and varnish industry to provide solvents that fit their needs exactly, we've found five big advantages in the Skellysolve line—all important to you.

The first advantage is *uniformity*. You can depend on Skellysolve being the same month after month. There is no need to change formulas when you rely on Skellysolve, so you save time, trouble, and expense.

The second advantage is—*no greasy residues*. Drying is complete and rapid, with minimum gum formation. Advantage number three is—*close boiling ranges*, some as low as 18° F. from initial to dry flask endpoint. Skellysolve's close boiling ranges remain constant, in storage and in formulas, and tendency to fractionate is cut to the minimum. Advantage number four is—*low evaporation losses*. This saves you money, reduces fire hazard and tendency to blush.

And advantage number five is Skellysolve's *uninterrupted supply*. We have the raw materials. We're in the business to stay. You can count on getting Skellysolve for years to come. We've seen how important that is, when we've rushed to the rescue of people whose source of supply has failed them for various reasons.

You see, Skelly pioneered in the development of dependable, uniform naphthas for special industrial uses. And we're still pioneering in close cuts, constant uniformity, rigid quality-control. So, whatever type or price of solvent you need, we're sure it will pay you to give us a call.

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES

Petroleum, crude, bulk, at wells, California:—		
Sil Segundo	bbl.	.80 - 1.31
Huntington Beach	bbl.	.78 - 1.30
Inglewood	bbl.	.79 - 1.37
Kern Front	bbl.	.70 - —
Kern River	bbl.	.70 - —
Kettleman Hills	bbl.	1.19 - 1.40
La Habra	bbl.	.76 - .96
Lakeview	bbl.	.70 - 1.30
Lost Hills	bbl.	.70 - 1.18
McKittrick	bbl.	.70 - —
Midway-Sunset (except Lakeview)	bbl.	.70 - 1.38
Montebello	bbl.	.77 - 1.43
Mt. Poso	bbl.	.70 - —
Mountain View	bbl.	.70 - 1.30
Newhall	bbl.	.70 - —
Orcutt	bbl.	.70 - —
Olinda Brea	bbl.	.76 - 1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80 - 1.16
Richfield	bbl.	.76 - 1.09
Rosecrans	bbl.	.84 - 1.66
Round Mt.	bbl.	.70 - —
Santa Fe Springs	bbl.	.78 - 1.43
Santa Maria	bbl.	.63 - .70
Santa Paula	bbl.	.70 - 1.01
Seal Beach	bbl.	.79 - 1.19
Signal Hill	bbl.	.80 - 1.31
Torrence	bbl.	.80 - 1.06
Wheeler Ridge	bbl.	.70 - .93
Whittier	bbl.	.76 - .98
Wilmington	bbl.	.75 - 1.31
Canada:—		
Oil Springs	bbl.	1.97 - —
Petrolia	bbl.	1.90 - —
Central West:—		
Illinois	bbl.	1.05 - —
Lima	bbl.	.90 - —
Western Michigan	bbl.	.88 - —
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast:—		
Barber's Hill	bbl.	.79 - 1.16
Batson	bbl.	.74 - 1.04
Dayton	bbl.	.96 - 1.41
Esperson	bbl.	.79 - 1.16
Goose Creek	bbl.	.79 - 1.20
Hull	bbl.	.74 - 1.04
Humble	bbl.	.74 - 1.04
Liberty	bbl.	.79 - 1.16
Markham	bbl.	.90 - 1.29
Orange	bbl.	.79 - 1.16
Pettus	bbl.	1.25 - —
Pierce Junction	bbl.	.96 - 1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	.79 - 1.20
Saratoga	bbl.	.74 - 1.04
Sour Lake	bbl.	.74 - 1.04
Spindle Top	bbl.	.74 - 1.04
Sugarland	bbl.	.79 - 1.20
West Columbia	bbl.	.79 - 1.20
Kentucky, Tennessee:—		
Big Sandy river	bbl.	1.12 - —
Kentucky river	bbl.	1.20 - —
Western Kentucky (Owensboro)	bbl.	1.10 - —
Louisiana, Arkansas:—		
Bull Bayou	bbl.	.73 - 1.06
Caddo	bbl.	.98 - 1.00
Cameron Meadows	bbl.	.74 - 1.13
Choctaw	bbl.	.74 - 1.20
Cotton Valley	bbl.	.73 - 1.06
Darrow	bbl.	.74 - 1.20
De Soto	bbl.	.73 - 1.06
El Dorado	bbl.	.73 - 1.06
Haynesville	bbl.	.73 - 1.06
Homer	bbl.	.73 - 1.06
Iowa	bbl.	.74 - 1.13
Lockport	bbl.	.74 - 1.13
Miller County	bbl.	.73 - 1.06
Pine Island	bbl.	.73 - 1.06
Rainbow	bbl.	.73 - 1.06
Rodessa	bbl.	.73 - 1.06
Smackover	bbl.	.73 - —
Tepetate	bbl.	1.06 - —
Urania	bbl.	.80 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—		
Panuco	bbl.	No prices
Tuxpan	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany	bbl.	2.00 - —
Corning	bbl.	1.02 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.55 - —
Eureka lines.	bbl.	1.59 - —
N. Y. Transit lines,	bbls.	2.00 - —
S. W. Penn. lines.	bbl.	1.65 - —
lower district in National Transit lines.	bbl.	1.88 - 1.93
Rocky Mountain:—		
Big Muddy	bbl.	.80 - —
Canon City-Florence	bbl.	.80 - —
Cat Creek	bbl.	1.10 - —
Dutton Creek	bbl.	.86 - 1.10
Elk Basin	bbl.	.90 - —
Fort Collins-Wellington,	bbl.	.81 - 1.05
Frannie, light	bbl.	.45 - .83
Grass Creek, light	bbl.	.80 - —
Iles	bbl.	.92 - .96
Lance Creek	bbl.	.77 - —
Lander	bbl.	.51¼- —
Midway	bbl.	.86 - 1.10
Rock Creek	bbl.	1.00 - —
Salt Creek	bbl.	.86 - 1.10
Sunburst	bbl.	1.20 - —
Torchlight	bbl.	1.30 - —
South, Central and Southwestern Texas:—		
Cass County	bbl.	.73 - 1.06
Cleveland-Liberty	bbl.	1.14 - —
Conroe	bbl.	1.27 - —
Darst Creek	bbl.	.96 - —
Hardin-Liberty	bbl.	1.00 - 1.03
Luling	bbl.	.97 - —
Lytton Springs	bbl.	.99 - —
Mirando, (incl. Duval)	bbl.	.74 - 1.33
Panola County	bbl.	.73 - 1.06
Salt Flat	bbl.	.96 - —
Tomball	bbl.	.95 - 1.41
Van	bbl.	.93 - —
West Beaumont	bbl.	.79 - 1.20
Texas Panhandle:—		
Carson-Hutchinson counties,	bbl.	.67 - 1.01
Gray County	bbl.	.72 - 1.06
West Texas:—		
Artesia, N. M.	bbl.	.61 - .86
Crane	bbl.	.58 - .93
Crockett	bbl.	.58 - .93
Ector	bbl.	.53 - .88
Eddy (N. M.)	bbl.	.77 - —
Howard	bbl.	.63 - .88
Jackson, N. M.	bbl.	.61 - .86
Lea, N. M.	bbl.	.58 - .93
Maljamar, N. M.	bbl.	.61 - .83
Mitchell	bbl.	.63 - .93
Pecos	bbl.	.65 - .87
Upton	bbl.	.53 - .93
Winkler	bbl.	.53 - .93
Ether, 30-60° dms., c.l., G. 3.	gal.	.14 - —
l.c.l., G.3.	gal.	.25 - —
tanks, G.3.	gal.	.13 - —
35-60°, dms., l.c.l., G.3.	gal.	.30 - —
40-75°. dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3.	gal.	.25 - —
tanks, G.3.	gal.	.13 - —
laboratory grade, dms., c.l., G. 3.	gal.	.14 - —
c.l., G.3.	gal.	.25 - —
10-gal. lots, G.3.	gal.	.50 - —

Petroleum, lacquer, diluent, at refinery:—
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond....gal. .11 - —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .09 - —
Group 3, tanks.....gal. .07⅝- .07½
Naphtha, cleaners', at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- .06½
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c. tax..gal. .186 - —
Des Moines, inc. 4c. tax.gal. .184 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .198 - —
Minneapolis-St. Paul, inc. 6c. tax..gal. .20 - —
Newark, ex tax.....gal. .10 - —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .10 - —
milk cans..gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .15 - —
2, over 90% arom., same basis..gal. .16 - —
3, tanks, f.o.b. Paulsboro, N. J...gal. .14 - —
30, same basis.....gal. .15 - —
40, same basis.....gal. .14½- —
v.m.&p., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal .11½- —
Willbridge,Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd., Los Angeles. gal. .10 - —
San Francisco.....gal. .10½- —
Portland, Seattle.....gal. .11 - —
East Coast, tanks....gal. .09 - —
Group 3, tanks.....gal. .06⅝- .06½
tankwagon, Boston, ex tax, gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Des Moines, inc. 4c. tax.gal. .184 - —
Decatur, inc., 4c. tax..gal. .186 - —
Evansville, ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .198 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .15.2- —
solvent, rubber, at refinery, East Coast, tanks..gal. .09 - —
Group 3 light, 120 l.b.p., 250 e.p., tanks..gal. .06⅝- .06½
standard, 180 l.b.p., 288 e.p., tanks..gal. .06⅝- .06½
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .08½- —
Group 3, tanks.....gal. .05⅞- .06
tankwagon, Boston, ex tax.. gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .181 - —
Des Moines, inc. 4c. tax.gal. .179 - —
Evansville, Ind.,ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax.gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09 - —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09 - —
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10½- .12½
St. Louis, inc. 1c. tax..gal. .129 - —
Tulsa, ex tax.....gal. .10 - .11
Thinners, at refinery:—
California, 34, 325 l.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash....gal. .16⅛- —
44, 311 l.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10⅛- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09⅛- —
56, 200 l.b.p., 300 e.p., tanks, f.o.b. El Segundo, gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .08½- —
47-49, tanks.....gal. .09½- .10
New Jersey, tanks.....gal. .08½- —
Group 3, tanks.....gal. .05⅞- .06½
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .13½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .13 - —
Bound Brook, North Amboy, N. J..gal. .11½- .13½
Bridgeport, Conn.....gal. .11 - —
Buffalo .....gal. .15 - —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .176 - —
Des Moines.....gal. .174 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .188 - —
Minneapolis-St. Paul...gal. .19 - —
Newark .....gal. .09 - —
New York (200 gals.)..gal. .09 - —
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10 - .12
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .11½- —
Rochester .....gal. .12 - —
St. Louis.....gal. .142 - —
Syracuse .....gal. .12½- —
Trenton .....gal. .10 - —
Wilmington, Del.....gal. .10 - .12
Phanobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16½
under 1,000 lbs.....lb. .16½- .17½
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works..lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines..... long ton. 2.40 - —
75% basis, 74% min., bulk mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works, lb. .11 - .12
l.c.l., dms., wks.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., tons.....lb. .35 - —
single bbls.....lb. .40 - —
kgs. .....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Picni leaves, bgs.....lb. .35 - .36
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.00
Pimento, bgs. .....lb. .13½- .14
Pinkroot, bls.....lb. .33 - .34
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05⅛
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, southern, bls...lb. .14 - .16
western, bls.....lb. .10½- .11
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .25 - .26
Poppy flowers, red, bls.....lb. .90 - 1.00
Seed, Dutch, bgs.....lb. .08 - .08½
Polish, bgs. .....lb. .07¾- .08⅛
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd. .....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs. .....lb. .30 - —
cns., 25 lbs. .....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs. .....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works.lb. .06¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —

Petroleum—Potash Glycero.

Potash, bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06⅝- —
hydrated, 83-85%, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06⅝- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb .0287½- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07⅛
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06⅝
import, dms.....lb. .06¼- .06⅝
Chlorate, cryst., kgs.....lb. .09¼- .09⅝
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. .50 - .55
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -15.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. .90 - —
100-lb. lots.....lb. 1.00 - —
50-lb. lots, cbys. or cns. lb. 1.05 - —
25-lb. lots, cns.....lb. 1.15 - —

ANY BAD NAILS in YOUR HOUSE?

BAD NAILS mean the support you think is secure, is not. A little strain...the nails give way...and the support is gone.

This happens to business houses, too, for often times they have supports that are badly nailed and insecure.

Badly nailed supports may be a manufacturing method, a sales policy, or an almost unnoticed ingredient such as naphthas.

When support fails, it often has unpleasant consequences that are difficult to trace back. For example, only recently have many paint manufacturers traced gum formation, discoloration, and livering back to action of unstable naphthas.

These manufacturers are the ones who want all their supports to be secure and well nailed. That's why they are the ones who welcome the Shell Naptha Technician, who make the greatest use of his services.

For the Shell Naptha Technician is a specialist in naphthas. When it comes to naphtha problems, he has a remarkable record for hitting the nail on the head.

Why not invite him to inspect your naphtha supports regularly? There is no charge for his services.

SHELL NAPHTHAS

Potash Guaiacolsul.—Red, Para

Potash, guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns.. 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.13 - —
bots, or cns.....lb. 1.22 - 1.48
dms. .....lb. 1.13 - 1.16
Kainit, 20% K_2O, bulk, c.i.f., ports..ton.12.75 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports.... ...unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs. .....lb. .11 - .12½
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports.. unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls. .....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton.55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .30½- .34
Yellow, bbls. .....lb. .14 - .15
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l. .....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., ships, ton.25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .10 - .15
Berries, bgs., to arrive.....lb. .25 - .30
Prince's pine herb, bls.....lb. .16 - .17
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ⅛ bbls., less than 3, works..lb. .04½- —
3 or over, works...lb. .04 - —
Ital-grd., bgs., c.l., shipt. ex dock, N.Y..ton.32.65 Nom.
l.c.l., 5-29 tons, ex whse., ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .09 - .10
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 6.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms. .....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., E. of Rockies, standard brand..gal. 6.45 - 6.60
basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.40 - 9.55
Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .29 - .29½
fine powd. Japan, bbls., ton lots frt. alld..lb. .30 - .31
Pyridin, denaturing, dms....gal. 1.63 - —
refd., 2°, dms.....lb. .50 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh., c.l. mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin, scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works.....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
shell-demi, transparent, cs., works..lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 25% tan, bbls., works..lb. .03½- —
tanks, works.....lb. .02½- —
solid, 65%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .08 - .09
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks, (76 lbs. net, divd., N.Y.—flasks.85.00 -88.00
European, flasks, (76 lbs. net) in bond..flask.66.00 - —
Quince seed, bgs.....lb. .70 1.10
Quinidine, cryst., small, cns...oz. .99 - —
large, cns.....oz. .98 - —
powd., precip., cns.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .64 - —
Citrate, cns.....oz. .72 - —
Quinine dihydrobromide, bots..oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 - —
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns. .....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, USP, X, cns.....oz. .54 - —
USP, XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride, cns.oz. .75 - —

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms. .....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .0585- .0605
Dutch, black, bgs.....lb. .06¾- .07¼
red, bgs. .....lb. .07 - .07½
Japanese, bgs. .....lb. .0600- .0630
Raspberries, dried, bls.....lb. .35 - .38
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia., (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works, lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Red, carmine, 40 1-lb. cns., 500 lbs..lb. 4.15 - —
dms., 500-lb. lots.....lb. 4.00 - —
100-lb. lots .....lb. 4.10 - —
Crocus martis (see Red, purple oxide.)
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis. lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .62 - —
open order.....lb. .67 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake conracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 1.56 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works.lb. .06¼- —
l.c.l., works .....lb. .09¼- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order .....lb. .80 - —

INTERESTING USES OF ALKALIES

How Sodium Bicarbonate Aids Airplane Dependability

To INSURE the dependable performance of the all-important batteries which supply modern aircraft with light, radio and other vital essentials it is customary to clean them regularly with Bicarbonate of Soda.

United Air Lines reports that all batteries in their planes are cleaned in this way at the termination of each flight, usually ranging from four to twelve hours. A brush dipped in a solution of four tablespoonfuls of bicarbonate of soda to a pailful of water, is applied to the terminals and other parts of the outside of the batteries which have come in contact with acid. Fresh water is used afterwards for rinsing.

The quantity of COLUMBIA "Bicarb" used for the above purpose is infinitesimal compared with the volume absorbed by other industries, yet the same quality is to be found in a carload as in a spoonful. This is characteristic of all COLUMBIA products and makes them the choice of leading users in the glass, paper, soap, textile, chemical, food and drug industries throughout the Nation. And a fitting corollary to the dependability of COLUMBIA Products is the dependability of COLUMBIA Service.

COLUMBIA

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • • •
MODIFIED SODAS • LIQUID CHLORINE • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
BARBERTON, OHIO
NEW YORK • CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI • CLEVELAND • MINNEAPOLIS • PHILADELPHIA

Red, Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- .04⅝
ex whse., Chicago, St. Louis..lb. .05⅝- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.00 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N. Y..lb. .03⅝- .0390
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02⅝- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake.....lb. .15 - —
quicksilver, bbls., 500 lbs.lb. 1.47 - 1.48
smaller lots .....lb. 1.51 - 1.59
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., flb. dms., 50 lbs. or more..lb. 1.81 - —
Red saunders wood, ground, bbls., lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb root, cs.....lb. .46 - .48
powd., bbls., kgs.....lb. .50 - .52
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .18¾- —
smaller lots.....lb. .19¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .17¾- —
smaller lots.....lb. .18¼- —
Rose flowers, pale, bls.....lb. .40 - .45
red, bls.....lb. 2.20 - 2.25
Rosemary flowers, bls.....lb. .25 - .30
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock, 280 lbs. 4.60 - —
D, bbls.....280 lbs. 4.95 - —
E, bbls.....280 lbs. 5.20 - —
F, bbls.....280 lbs. 5.45 - —
G, bbls.....280 lbs. 5.75 - —
H, bbls.....280 lbs. 5.85 - —
I, bbls.....280 lbs. 5.85 - —
K, bbls.....280 lbs. 5.90 - —
M, bbls.....280 lbs. 6.10 - —
N, bbls.....280 lbs. 6.15 - —
W. G., bbls.....280 lbs. 6.85 - —
W. W., bbls.....280 lbs. 7.35 - —
X, bbls.....280 lbs. 7.35 - —
Rosin, wood, bbls.....280 lbs. 4.00 - 5.45
Rottenstone, f'sm., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Rouge, lump, bbls.....lb. .14 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .15 - .16

S

Sabadilla seed, powd., bbls....lb. .18 - .19
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .22 - .23
Saffron, Mexican, bls.....lb. .25 - .26
Spanish, tins.....lb.29.00 -31.00
Safrol, cns.....lb. .52 - .53
dms.....lb. .50 - .51
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls.....lb. .06½- .06¾
Sago flour, bgs.....lb. .02½- .03½
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., flb, dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l. dlvd., N.Y....ton.14.00 - —
l.c.l., dlvd. N.Y.....ton.15.00 -19.70
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works .....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons .....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons .....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons .....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo.40.00 -42.00
resale, cns. .....lb.19.00 -21.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots, 5 lbs.....lb. 1.65 - —
cns., 25 lbs. .....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .35 - .36
Mexican, bls. .....lb. .15 - .16
Sassafras, bark, ord., bls.....lb. .12 - .13
select, bls. .....lb. .18 - .20
Savory, bbls. .....lb. .07½- .07¾
Saw palmetto berries, bgs....lb. .07 - .07½
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .14⅝- —
smaller lots .....lb. .15½- —
kegs, 5,000 lbs., 1 shipm't..lb. .15½- —
smaller lots .....lb. .15⅝- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases .....lb. 1.75 - —
Senega root, bls.....lb. .80 - .82
Senna leaves, Alexandria, bls..lb. .10 - .14
siftings, bls. .....lb. .09 - .09½
Tinnevelly, No. 1, bls....lb. .10 - .11
2 bls. .....lb. .07½- .08
3 bls. .....lb. .05 - .05½
powd., bbls., bxs.....lb. .09 - .10
Pods, bls. .....lb. .05½- .06
Serpentaria root, bls. .....lb. .68 - .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .18 - .19
dlvd. Boston .....lb. .18½- .19½
Chicago .....lb. .18¾- .19¾
Pacific Coast.....lb. .21 - .22
bonedry, refd., bbls., f.o.b., N.Y..lb. .25 - —
dlvd. Boston .....lb. .25½- —
Chicago .....lb. .25¾- —
Pacific Coast .....lb. .28 - —
Garnet, bgs.....lb. .12½- .18
Orange, D.C., VSO., Diamond I, cases..lb. .19 - .20
Superfine, bgs., f.o.b. Bost., N. Y..lb. .10 - .10½
dlvd., Chicago .....lb. .10½- .11
Pacific Coast.....lb. .13 - .13½

Shellac, T.N., bgs., f.o.b. Bost., N.Y.....lb. .09½- .10
dlvd. Chicago.....lb. .10 - .10½
Pacific Coast.....lb. .12½- .13
Shellac varnish, orange, 5-lb. cut., bbls..gal. .90 - .95
4½-lb. cut, bbls.....gal. .85 - .90
4-lb. cut, bbls.....gal. .80 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
wet-grd., 96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
90%, 325 mesh bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42⅝- —
Govt. purchase.....oz. .6464- —
Cyanide, cns., 1,000 ozs.....oz. .39⅛- —
500-999 ozs.....oz. .39⅜- —
80-499 ozs.....oz. .39⅝- —
16-79 ozs.....oz. .42¼- —
Nitrate, vis.....oz. .61½- .33⅓
Nucleinate, bots., cns., 480 oz., lots..oz. .30 - .31
Proteinate, bots., cns., 480 oz., lots..oz. .29 - .30
Simarubra bark, bls.....lb. .26 - .28
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls... ....lb. .16 - .17
Western, bls. .....lb. .14 - .17
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works .....ton.10.00 -15.00
Sloe berries, bgs.....lb. .10 - .11
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cts. .....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls. .....lb. .10½- .12
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .13 - .14
powd., bbls. .....lb. .15 - .16
Soda, acetate, anhyd., dms., dlvd. lb. .08¼- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd. .....lb. .06¾- —
Alginate, dms., bbls., works.lb. .71 - .96
Antimoniate, bbls. .....lb. .11½- .12
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .11
l.c.l., dms., works.....lb. .09½- .11½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
58%, l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., works.....100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.80 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
.....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more, lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N Y..100 lbs. 2.76 - —
tech., bbls., c.l., wks..... 100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
Bichromate, spot, c.l., works.. lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Soda, bisulphite, powd., bbls., c.l., bbls., wks..100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs...lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate bots., 5 lbs.....lb. 5.81 - —
jars 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda memohydrated, soda sal)
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l. same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅝- —
smaller quantities.....lb. .08⅝- —
Citrate, U.S.P., VIII, gran. bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lbs. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾- .13¾
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08½- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs. .....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd. 100 lbs. 2.50 - —
bbls., same basis....100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea bgs., c.l., works..100 lbs. 2.60 - —
works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks.. 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks., 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots .....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
flb. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks..100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100 -lb. bgs., June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., wks, frt. equalized, lb. .06⅝- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l price range represents delivery at various points.

Red, Persian—Strychnine

Soda oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14⅝- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 4.53 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls., c.l., works..100 lbs. 4.73 - —
l.c.l., works .....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works..100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works..100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .09½- —
contracts .....lb. .09 - —
smaller lots.....lb. .09¾- —
contracts .....lb. .09¼- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
6-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.30 - —
Silicate, 40° to 41°, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
62°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .04½- .04⅝
import, bbls. .....lb. .03½- .04
Stannate, dms.....lb. .32 - .35
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.80
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.. 100 lbs. 3.00 - —
solid, bbls., l.c.l., 5 tons or over, dlvd..100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 -
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 1.75 - 1.85
tech., kgs.....lb. 1.05 - 1.10
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .17½- .18
Spikenard root, bls.....lb. .11 - .12
Spruce extract, reg., bbls., c.l., works..lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01⅝- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .11 - .12
Squill, red, bls.....lb. .14 - .15
white, bls. .....lb. .06½- .07
powd., bbls., bxs.....lb. .13 - —
St. Ignatius beans, bgs.....lb. .40 - .42
St. John's bread, edible, bls., lb. .07 - .07½
inedible, bls. .....lb. .05 - .06
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.55 - 2.85
dlvd., N. Y. .....100 lbs. 2.90 - 3.10
powd., bgs., f.o.b. Chicago, 100 lbs. 2.65 - 2.85
dlvd., N. Y. .....100 lbs. 3.00 - 3.20
Potato, dom., bgs.....lb. .04 - .05
import, bgs. .....lb. .05 - .06
Rice, bbls. .....lb. .06¼- .07¼
Wheat, thick boil, bgs.....lb. .05 Nom.
Staveacre seed, bgs.....lb. .15 - .16
Stearin, oleo, bbls.....lb. .05½- .06
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .13 - .14
Seed, bgs. .....lb. .09 - .10
Strontium bromide, flb, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100 pc., precip., bbls., lb. .16½- .17½
Chloride, bbls.....lb. .11 - .12½
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08⅝- —
Strophanthus seed, Kombe, bgs.lb. 1.05 - 1.10
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .66 - —
Asenate, 25-oz., cns., 100-oz. lots..oz. .68 - —

"Every once in a while someone's sales jump ahead the same way, because of a better package. In this case it was a vacuum key can; another time it may be a new development in fibre. The point is that it's usually an American Can customer . . . and even if our product *is* different, it's an asset to us to have on *our* team the people who *do* develop packaging ideas that click."

CANCO AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.

Strychnine, arsenite, 25-oz. cns., 100-oz. lots..oz. .66 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .66 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .67 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .32 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb., bots....lb. 1.40 - —
5lb., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs. .....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, f.o.b. cars, mines, contracts....long-ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract..long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia parts, bulk, contract.. long ton.22.00 - —
flowers, bgs., c.l., works. 100 lbs. 3.00 - —
Lbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., wks..100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works. 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis..100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .08 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½ - .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½ - .10
Iodide, bots., jars.....lb. 3.90 - —
Prests., USP bbls.....lb. .17 - .22
Sumac, grd., Sicilian, bls....ton.66.50 - —
leaf, bls.....ton.69.00 - —
Extract, 42°, bbls.....lb. .05½ - —
61°, bbls.....lb. .06½ - —
stainless, bbls.....lb. .06½ - .08½
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs. .....lb. .05 - .05½
poultry, bgs.....lb. .03¾ - .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
triple, 40-43%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh bgs., c.l., mills.. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills....ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival. ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls..lb. .05½ Nom.
extra, loose.....lb. .05⅜ —
special, loose.....lb. .05¼ —
vegetable, ship, cs.....lb. .06½ Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03⅞ —
l.c.l. .....lb. .04⅞ —
50% (43% fat), dms., c.l., lb. .05⅝ —
l.c.l. .....lb. .06⅜ —
50% (48% fat) dms., c.l..lb. .05⅞ —
l.c.l. .....lb. .06⅜ —
Tamarind, W. I., bbls.....lb. .05 - .05½
kegs .....keg. 5.00 - 6.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.00 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.40 & .10
Tankage, animal, dom., fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, June shipt. unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .17 - .18
Tapioca flour, bgs.....lb. .02¼ - .04
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .24 - —
25% dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .25 - .26
ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .35 - .37
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33⅓
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms.....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½ - — tech. (see Perchloroethylene).
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., wks..lb. 5.00 - 7.00
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .10¼ - .10½
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs. .....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone. bbls..lb. .18 - .26
6% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd....lb. .45½ - .46
Crystals, bbls., kg.....lb. .38 - .38½
Metal, Straits.....lb. .4885 - —
Oxide, bbls. .....lb. .52 - .54
Tetrachloride, anhyd., bbls..lb. .24¾ - —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, E. frt. pd. lb. .14½ - —
Pac. Cst., ex whse..lb. .14½ - —
1,000-9,999 lbs., E. frt. pd..lb. .14½ - —
Pac. Cst., ex whse..lb. .14½ - —
50-999 lbs., E. frt. pd. lb. .14¾ - —
Pac. Cst., ex whse..lb. .14¾ - —
under 50 lbs., E. frt. pd. lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
bbls., c.l. (20 tons), frt. pd. lb. .14¼ - —
l.c.l., 5 tons, E. frt. pd. lb. .14½ - —
Pac. cst., ex whse..lb. .14¾ - —
1,000-9,999 lbs., E. frt. pd..lb. .14¾ - —
Pac. cst., ex whse..lb. .15 - —
50-999 lbs., E. frt. pd..lb. .15¼ - —
Pac. cst., ex whse..lb. .15¼ - —
under 50 lbs., frt. pd. lb. .25 - —
bbls., c.l. (20 tons), frt. pd. lb. .22¼ - —
l.c.l., 5 tons, E. frt. pd..lb. .22½ - —
Pac. Cst., ex whse..lb. .22½ - —
1,000-9,999 lbs., E. frt. pd..lb. .22¾ - —
Pac. Cst., ex whse..lb. .22¾ - —
50-999 lbs., E. frt. pd.. lb. .23 - —
Pac. Cst., ex whse..lb. .23 - —
Pigment, barium, calcium, or magnesium base, c.l., D. frt. alld..lb. .05¾ - —
l.c.l., dlvd.....lb. .05¾ - —
Pac. cst., ex whse..lb. .05¾ - —
under 50 lbs., E. dlvd.lb. .06¾ - —
bbls., c.l., D., frt. alld..lb. .05¾ - —
l.c.l., E., dlvd.....lb. .06¼ - —
Pac. Cst., ex whse..lb. .06½ - —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .45 - .46
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .23½ - —
tanks, E. of Omaha, frt. alld. gal. .23½ - —
Tonga vine, NF, bls.....lb. .26 - .28
root, bls.....lb. .40 - .41
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works. lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .70 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
5 dms., same basis.....lb. .08½ - —
less than 5 dms., same basis. lb. .08¾ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
5 dms., same basis.....lb. .09 - —
less than 5 dms., same basis. lb. .09¼ - —
Zone 3, dms., c.l., works, frt. all..lb. .09 - —
5 dms., same basis.....lb. .09½ - —
less than 5 dms., same basis. lb. .09¾ - —
Trichlorethylene, zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
5 dms., same basis.....lb. .09½ - —
less than 5 dms., same basis. lb. .09¾ - —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40¼ - .51½
dms., c.l., dlvd.....lb. .34½ - —
500 lbs., dlvd.....lb. .37½ - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½ - —
less than 500 lbs.....lb. .25½ - .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethylenegtycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.10 - 2.20
Oxide, CP, kgs.....lb. 2.40 - 2.60
Chem. grade, kgs.....lb. 1.75 - 1.85
Turmeric root, Alleppey, bgs...lb. .06¼ - .06½
Madras, bgs.....lb. .06¾ - .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28½ - —
l.c.l., 10 ex dock.....gal. .30½ - —
5, ex dock.....gal. .32½ - —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .22 - .24
tanks, dlvd. E. cities....gal. .19 - —
steam-dist., dms., c.l., dlvd..gal. .25 - —
l.c.l., dlvd.....gal. .28 - —
tanks, dlvd.....gal. .20 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½ - .16½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. No prices.
Uva ursi leaves, bls.....lb. .08 - .09

V

Valerian root, bls.....lb. .09½ - .10
Valonia, beards, bgs., shipt..ton.45.00 - —
Cups, bgs., shipt.....ton.27.00 -29.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 5.50 - 6.00
Mexican, tins .....lb. 5.50 - 6.00
cuts, tins .....lb. 5.25 - 5.50
South American, tins.....lb. 5.25 Nom.
Vanillin, ex eugenol, 25-lb. tins, lb. 2.20 - —
5-lb. tins.....lb. 2.25 - —
1-lb. tins.....lb. 2.35 - —
ex guaiacol, 25-lb. tins.....lb. 2.10 - —
5-lb. tins.....lb. 2.15 - —
1-lb. tins.....lb. 2.25 - —
ex lignin, 25-lb. tins.....lb. 2.10 - —
5-lb. tins.....lb. 2.15 - —
1-lb. tins.....lb. 2.25 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .25
Vinyl acetate, cns., works....lb. .25 - — dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .38 - .39
tree .....lb. .19 - .22
Wattle bark, bgs., shipt.....ton.34.50 -38.00
Extract, solid, bags.....lb. .04 - —
Wax, bayberry, import, bgs...lb. .22½ - .23
Bees, white, bleach, slabs, cs., 500 lb. lots..lb. .37 - .39
yellow, crude, Africa, bgs., lots of 10.....lb. .19½ - .20
1 bg.....lb. .20 - .20½
Brazil, bgs., 5-10 ton lots. lb. .22½ - .23
1 ton.....lb. .23 - .23½
500 lbs.....lb. .23½ - .24
100 lbs.....lb. .24 - .24½
refd., slabs, cs., lbs....lb. .25½ - .26
Candelilla, bgs., 1 ton.....lb. .15½ - .16
jobbing lots.....lb. .16 - .16½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .30 - .30½
5 bgs. .....lb. .30½ - .31
1 bg. .....lb. .31 - .31½
N. C. 2, bgs.....lb. .36¾ - .37
N. C. 3, bgs., 1 ton.....lb. .30½ - .31
5 bgs.....lb. .31 - .31½
1 bg.....lb. .31½ - .32
refined, bgs.....lb. .35½ - .36
yellow, No. 1, bgs., 1 ton..lb. .40½ - .41
5 bgs.....lb. .41 - .41½
1 bg.....lb. .41½ - .42
No. 2, bgs.....lb. .39½ - .40
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½ - —
jobbing lots .....lb. .09½ - —
150°-160° m.p., bgs., 1 ton.lb. .09½ - —
jobbing lots .....lb. .10½ - —
160° m.p., bgs., 1 ton.....lb. .10½ - —
jobbing lots .....lb. .11½ - —
Wax, ceresin, Japan, cs.....lb. .11¼ - .11½
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼ - .11½
less than 1 ton.....lb. .11¼ - .11⅝
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .18 - .21
cakes, cs.....lb. .19 - .22
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.89 - —
dms., 50 lbs., or more...lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works .....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½ - .05
rossed, bls.....lb. .07½ - .09
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormwood, American, bgs....lb. .07 - .08
Levant, bgs.....lb. 3.70 - 3.75
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.56
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls. 1 ton, works, frt. alld..lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½ - —
open order .....lb. .15½ - —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Dutch, pink, bbls.....lb. .09 - .11

Strychnine—Yellow Dutch

Yellow—Zirconium

Yellow, hansa, bbls., same basis, chrome..lb. 1.57 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import..lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
ex dock Philadelphia, for import..lb. .02¾- —
Portland, Seattle ..lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York .....lb. .02½- —
ex-dock Phila., for import..lb. .02¾- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Yellow, Ocher, French, all shades, l.c.l., Chicago, E. St. Louis, Indianapolis, K. City, Milwauk., St. Louis..lb. .03¾- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle.....lb. .03½- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock, lb. .02½- —
from whse. .....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .04¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza) bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .07½- .08
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Zinc, carbonate, tech., bbls....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .06½- —
l.c.l., bbls., dlvd.....lb. .07 - —
Fluoride, bbls.....lb. .20 - .35
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06½- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
5% bgs., c.l., dlvd., lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
Zinc, Oxide, pigment, dom., Amer., process, coml., lead free, bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
35%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
60%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
Pac. cst.....lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
ex whse., Pac. cst. lb. .0631- —
bbls., c.l., dlvd....lb. .0631- —
l.c.l., dlvd., except Pac. cst..lb. .0656- —
ex whse., Pac. cst.lb. .0656- —
French process, com'l, lead free, bgs., c.l., dlvd.lb. .06¼- .07⅛
l.c.l., dlvd., except Pac. cst..lb. .06½- .07⅜
ex whse., Pac. cst..lb. .06½- .07⅜
bbls., c.l., dlvd.....lb. .06½- .07⅜
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07⅝- —
ex whse., Pac. cst..lb. .07⅝- —
bbls., c.l., dlvd....lb. .07⅝- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse.lb. .10 - —
white seal, cks., ex whse.. lb. .11 - .13½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs...lb. .23 - —
U.S.P., bbls.....lb. .21 - .30
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08¼- —
bbls., c.l. (20 tons). dlvd..lb. .08⅛- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08⅝- —
Sulphocarbolate, NF, bbls....lb. .24 - .30
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, rgd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials

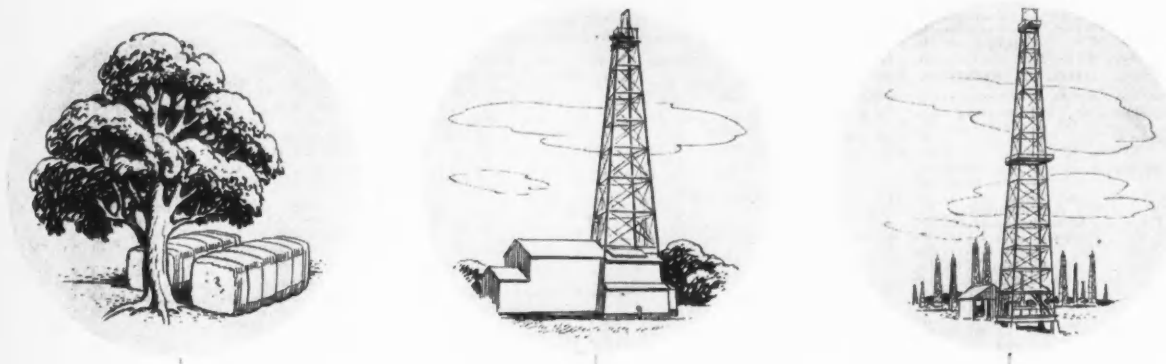
(Manufacturers' List Prices)

A

Abalyn dms., lots of 10, works. lb. .10 - —
single dms., works.....lb. .12 - —
5 gal. cans, works.....lb. .17 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, dispersion resins, BK, 3962, XE 6791, dms., 30,000 lbs., works..lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs, works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs. works.....lb. .47 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .29 - —
5,000 lbs., works..lb. .30 - —
2987, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works....lb. .34 - —
3360, bbls., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works...lb. .39 - —
5,000 lbs., works....lb. .40 - —



ETHOCEL

(DOW ETHYL CELLULOSE)

It is no accident that Dow is the largest producer of ethyl cellulose in the world.

Ethocel* (Dow Ethyl Cellulose) is linked to brine—the common raw material from which more than 300 Dow chemicals are produced.

In addition, Dow has had long experience in making petroleum derivatives. It was the first company to manufacture ethyl chloride commercially in this country.

This background of products and processes led logically to Ethocel—chemistry's most versatile cellulose derivative.

DOW TECHNICAL SERVICE

Skilled technical and chemical advisory service on the characteristics, properties and potentialities of Ethocel as a superior varnish and lacquer base is available to formulators interested in this product.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago; 9 Main Street, San Francisco; 4151 Bandini Blvd., Los Angeles

*Trade Mark Reg. U. S. Pat. Off.

DOW

CHEMICALS INDISPENSABLE TO INDUSTRY

Bakelite, phenolic, 4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works..lb. .41 - —
5,000 lbs., works....lb. .42 - —
6282, bbls. 30,000 lbs., works..lb. .42½- —
15,000 lbs., works..lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works..lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works....lb. .25 - —
XR, 9517, dms., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works..lb. .33 - —
5,000 lbs., works..lb. .34 - —
drums, works....lb. .35 - —
10282, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works..lb. .36 - —
5,000 lbs., works..lb. .37 - —
drums, works.....lb. .38 - —
modified, BR, 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2073, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
2481, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. 14½- —
1101, dms., 1-9, frt. pd.....lb. .13 - —
1102, dms., 1-9, frt. pd.....lb. .12½- —
1106, dms., 1-9, frt. pd.....lb. .14 - —
1107, dms., 1-9, frt. pd.....lb. .13 - —
1108, dms., 1-9, frt. pd.....lb. .10 - —
1112, dms., 1-9, frt. pd.....lb. .14½- —
1113, dms., 1-9, frt. pd.....lb. .12 - —
1116, dms., 1-9, frt. pd.....lb. .14½- —
P-146, dms., 1-9, frt. pd.....lb. .11 - —
P-147, dms., 1-9, frt. pd.....lb. .12 - —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .12¾- —
1111, dms., 1-9, frt. pd.....lb. .13 - —
1114, dms., 1-9, frt. pd.....lb. .12½- —
1120, dms., 1-9, frt. pd.....lb. .13 - —
1121, dms., 1-9, frt. pd.....lb. .17½- —

Beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carlogds, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South. States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads, carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-2, dms., 1-9, frt. pd.....lb. .14 - —
P-138, dms., 1-9, frt. pd....lb. .20½- —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, dark, dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.....lb. .17½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .10½- —
1501, dms., 1-9, frt. pd.....lb. .11½- —
Solid, 1, dms., 1-9, frt. pd....lb. .21 - —
3, dms., 1-9, frt. pd.....lb. .22 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .21 - —
19, dms., 1-9, frt. pd.....lb. .24 - —
Beckosol, solid, 24, dms., 1-9, frt. pd..lb. .30 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .21 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .17½- —
1319, dms., 1-9, frt. pd..lb. .17½- —
1321, dms., 1-9, frt. pd..lb. .16½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .12½- —
1304, dms., 1-9, frt. pd..lb. .12½- —
1320, dms., 1-9, frt. pd..lb. .13 - —
1325, dms., 1-9, frt. pd..lb. .12 - —
1328, dms., 1-9, frt. pd..lb. .11 - —
1329, dms., 1-9, frt. pd..lb. .10 - —
Beckosol, phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .11½- —
2, dms., 1-9, frt. pd.....lb. .11 - —
1316, dms., 1-9, frt. pd...lb. .12½- —
1326, dms., 1-9, frt. pd...lb. .12 - —
pure alkyd, 1306, dms., 1-9, frt. pd..lb. .11½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .13½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .12½- —
light, dms., 1-9, frt. pd.lb. .11½- —
1318, dms., 1-9, frt. pd..lb. .15½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1324, dms., 1-9, frt. pd....lb. .24½- —
1331, dms., 1-9, frt. pd....lb. .12½- —
1332, dms., 1-9, frt. pd....lb. .11½- —
1333, dms., 1-9, frt. pd....lb. .13½- —
1334, dms., 1-9, frt. pd....lb. .13½- —

—Continued on page 42

Take a number like Durez 500...

Get a maintenance paint that can "Take It!"

Do you want to make a tough maintenance paint or primer that will stand up under such extreme corrosive action as occurs at the surface of the water sealer in a gasholder? We suggest that you look into Durez 500, 525 and 570!

Repeated tests show that these phenolic resins have "what it takes" to produce metal coatings of outstanding corrosion resistance. Even the accelerated salt spray test, which rapidly breaks down most films, has little effect on varnishes made with this Durez trio! And their elasticity and covering power is exceptional, too.

We have done a lot of research and development work on coatings fortified with Durez 500, 525 and 570...and we'll gladly give you the benefit of this wide experience in your own formulation work. Just write General Plastics, Inc., 136 Walck Road, North Tonawanda, New York.

DUREZ
PHENOLIC RESINS

MR. HARVEY SHOOTS A BETTER GAME
WHEN A CADDIE CARRIES THE BAG
Mr. Harvey likes to make a low score when he plays golf—just like all other golfers. He finds it easier to do so when he hires a caddie to carry the bag. He can save his energy for smacking the ball down the fairway. In addition, he saves on balls—he doesn't lose as many because the caddie is trained to watch them.
Mr. Harvey plays golf for recreation, but he manufactures paint for a living. In his business he wants to make a high score by turning out superior paints and varnishes. He finds it easier to do so when he lets General Electric take care of his alkyd resin requirements. By using G-E Glyptal he stops worrying about the quality of the resins going into his paints and varnishes. In addition, he gets a real "plus" value because the entire resources of the G-E Research Laboratories stand ready to give him helpful sales service whenever he requests it.
GLYPTAL SALES, APPLIANCE AND MERCHANDISE DEPARTMENT, GENERAL ELECTRIC COMPANY, BRIDGEPORT, CONNECTICUT
GENERAL ELECTRIC

Oil, Paint and Drug Reporter

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Congress does not want to work all Summer. It has set out to effect a limited revision of the tax laws. It is under orders to maintain the present amount of internal revenue. It will have to display a far greater ability than it ever has shown in taxmaking, or it will be on this one job alone until Christmas—especially if it tackles the ten-year plan of which some now are talking.

What Kind Of New Taxes

Apparently the only change that can be expected in the tax laws is one that is considered to have a favorable psychological effect. The tax burden will not be lightened unless business goes into the hearings now in progress with convincing evidence that the cost of government actually can be reduced. Everybody knows that this cost is excessive; most persons know why. But, in the light of recent congressional appropriations, it cannot be denied that this knowledge is of little use, and that nobody has a practicable plan for reducing the spending. The best that is offered is a shifting of the burden of its cost from one shoulder to the other.

For the "steenth" time it is logical to ask what has become of the grand program of scientific tax study that was reported to have been started several years ago. It is said now that Congress is not to be given a tax plan by the administration, and there is nothing but generalities in the declaration by the Secretary of the Treasury to the ways and means committee:—

> Taxes resorted to for replacing any lost revenues should have the least harmful effects on business and should contribute to greater equity. They should not change the relative distribution of the tax burden between broad groups of taxpayers, and especially should not place additional burdens upon consumers.

Because all taxes are either paid directly by the consumer or charged up to him as a part of the cost of everything he buys, even the undistributed profits tax was his burden. Obviously he cannot escape any of whatever tax burden is wherever laid. From the information available, the proposed taxes will be heavier in actual burden than are those which allegedly are more psychologically burdensome. Fear is so largely psychological that a mere tax shift may be helpful. But, the real need is for this spirit:—"Damn the taxes! Full speed ahead!"

There is no question that government has entered into competition with private enterprise to a great extent; there are indications that it will make still greater inroads. In some part, this competition by government is definitely a usurpation of work that belongs to business and can be and is being better done by business. But, in largest part the competition by government consists of the doing of that which business was not doing at the time government started the doing and has not yet adequately endeavored to do.

Take Back The Job

This is the single thing of providing employment for those who need it. With government doing this, it is very difficult for private enterprise to do it, because private enterprise must pay for what government does and, therefore, has no money to finance its own doing of what is its own job.

A plain intelligent answer is yet to be given to the question why government has so largely taken over the job of providing more employment. Government says men must be employed—that fact is economically basic—but it declares that it alone is considerate enough of the unemployed to save them from starvation. Business, unfortunately, has confined its answer to the question too largely to finding fault with government's premise, in declaring that only for political popularity does government furnish jobs.

Neither side has been fully frank in the consideration of the problem of who shall furnish adequate employment for the people of the nation. Private enterprise has not said that it will furnish employment for all who need it if government will quit taxing it to get money to do the employing. Government has not said that it will stop collecting taxes on the excuse of providing employment if business will take care of the unemployed.

The difficulty is that the minds of government and of business apparently cannot, at least they do not, meet on a means of shifting the job. Neither trusts the other. The evidence of what is needed is heavier on the side of government, because business has not "declared itself" and set out to prove that government will not let go; that politics, and not protective consideration, is the reason why government is in competition in the providing of employment. Business should take back its job.

Business needs a Walt Whitman to spur it forward in the open, courageously declaring:—

> Henceforth I ask not good fortune. I myself am good fortune,
> Henceforth I whimper no more, postpone no more, need nothing,
> Done with indoor complaints, libraries, querulous criticisms,
> Strong and content I travel the open road.

—O-P-D—

Its close following of the Department of Justice's announcement of an antitrust investigation of the construction industry gives special interest to the meeting this week of the governing and advisory boards of the Associated General Contractors of America. The contractors' representatives will devote themselves to consideration of the problem of recovery of the construction industry. In view of what the Department of Justice has said, they will have some special illumination on their deliberations.

Construction Problems

The contractors' organization, with substantial justification, is much disturbed over governmental competition in the field of construction. In respect of this it quite soundly postulates:—

> Equal sums of money spent for worthwhile construction projects through private industry under contract would result in equal employment at regular jobs at regular pay; the greatest public works era in history; an increase in tangible wealth worth the cost to taxpayers; preservation of the spirit of American workmen; and a clean political structure.

If the contractors' leaders devote most of their time to public works construction, they will not be adequately appreciative of the bigger need in private building. In this field there is opportunity for constructive study and forward-looking enterprise. This is not solely because of the frequently noted faults which the Department of Justice has reiterated. But, these should have earnest attention. In that way it might be possible to discover why the American people in recent years have spent several times as much money for automobiles as for homes. Value received is a most appealing factor.

A move was started a few weeks ago to form a private organization to take over the Federal Mortgage Association and to provide $200,000,000 or so for home and factory construction. The plan is to form the organization under the Federal housing act, but to utilize private capital, instead of governmental funds, for the stimulation of building construction There is an annual business of several billion dollars to be done in the housing field. The plan to provide capital for about one-tenth of this is more important for its courage than for its actual usefulness. It offers evidence that not everybody believes that private capital is scared.

The construction industry, by whatever organizations it may be represented, has a big job of selling itself to capital and to consumer. It must do something to itself to "improve its face" in both respects. The profits which the job promise would justify a very earnest cleaning-up undertaking.

—O-P-D—

The long-prosecuted campaign to reduce the Federal tax on alcohol used in medicines and flavorings and for other purposes not in the category of beverage uses has reached a critical stage in a bill (H.R. 6068) in Congress. This measure would reduce by one-half the tax now imposed. It is being earnestly furthered by the industries making nonbeverage use of pure alcohol, but apparently must await formulation of the larger tax program.

Reducing the Alcohol Tax

Some doubt has arisen with respect to the desirability of this tax-reducing measure in its present form. The change which the bill would make in the alcohol tax law is stated as follows:—

> Provided, that upon all ethyl alcohol withdrawn and used for other than beverage purposes, the tax shall be $1.10 per proof gallon.

Some observers see in this language the possibility that the specified tax would apply to all alcohol—even to denatured alcohol now taxfree—used for other than beverage purposes. It is certain that the term, "all ethyl alcohol," might reasonably be interpreted to include ethyl alcohol withdrawn for denaturing, that being a use "for other than beverage purposes."

Lawmakers have never been specially gifted with ability to draft clear, simple phraseology, or—there may be lack of desire in this—to avoid loopholes and stumbling-blocks. In respect of the alcohol tax bill the remedy is the submitting of a new, properly worded draft. The long, hard work of the drug industry on the Tugwell and recent Lea bills is a precedent.

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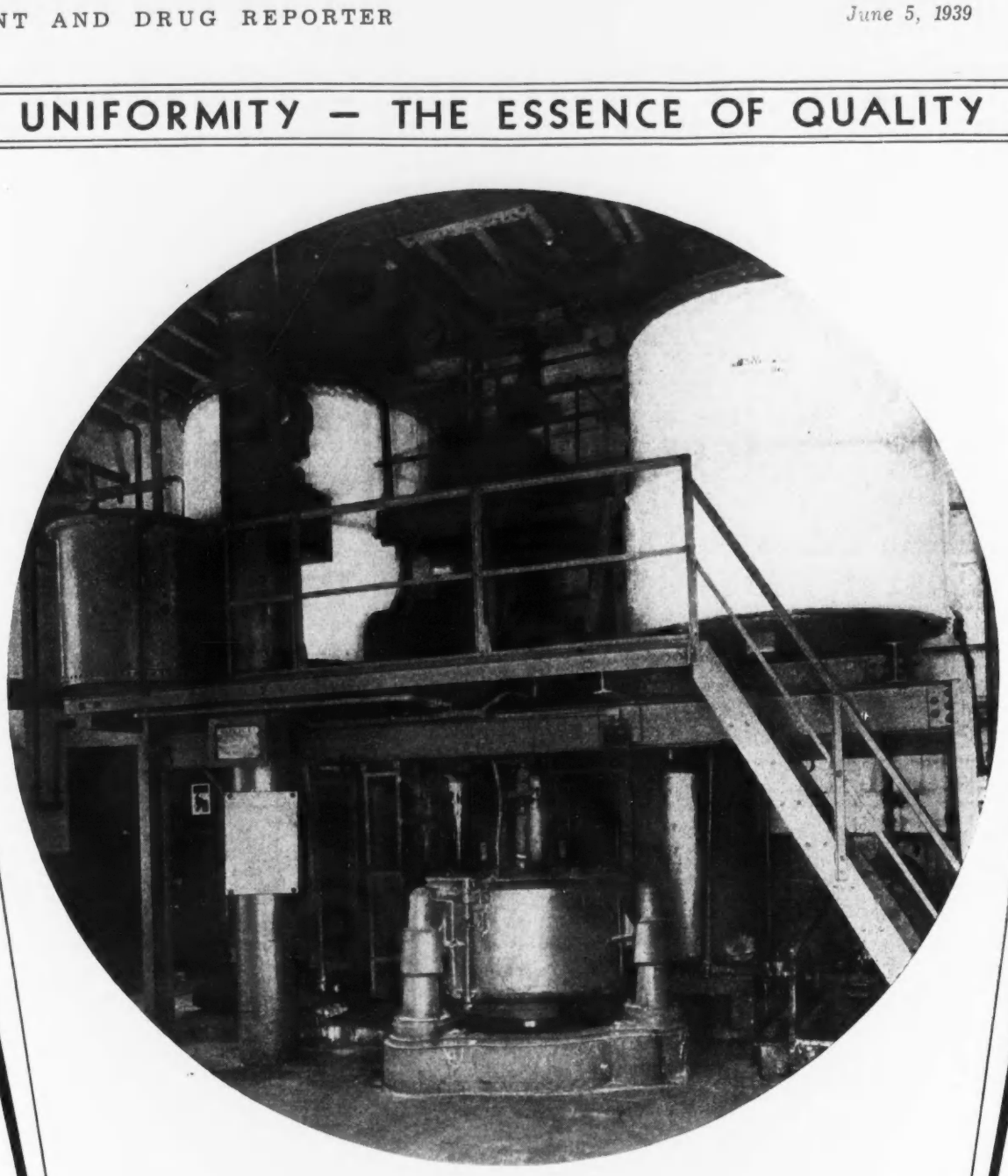

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Heavy Chemicals

Warmer Weather Beneficial to Several Seasonal Chemicals—Tin Salts Unchanged—Caustic Soda Position Improved Although Volume Is Off—Formic Acid Firmer

With holiday and month-end influences predominating, the demand for heavy chemicals failed to show any tangible gain last week. The warmer weather in many sections was beneficial to many seasonal items such as refrigerants and agricultural chemicals. Trading during the entire month, however, was spotty and made it difficult to gauge buying accurately. Some large replacement orders took place from time to time to take up the lag. Estimates for the full month indicate that sales were below April in the majority of basic chemicals, which, in turn was not as good as March. Comparisons with a year ago were more favorable.

The market was without a specific price feature. However, the lack of any changes was not surprising at this time, since most products have already been adjusted to rather low levels. Contract prices for the final six months have not been made known, although it was the concensus that practically all important chemicals will remain substantially the same. Perhaps, one or two exceptions may occur before the end of the month. Metals were all unaltered, and the derivatives retained the prices established recently.

Anhydrous ammonia, carbon dioxide, chlorine, blue vitriol, calcium chloride and agricultural insecticides and fungicies moved in more seasonable quantities. Caustic soda position seemed improved with manufacturers and consumers stocks not considered burdensome at the time. Shipments of alkalies, however, were not up to expectations. Soda phosphate was about steady. Cyanides were taken moderately. Potash salts were routine. Advance in steel output was beneficial to copperas. Formic acid appeared in a firmer position as the result of some lessening in foreign competition.

Aluminum.—A firm price tone characterized the trading in this direction. Withdrawals by the aircraft industry, reflecting the governments progressive rearmament program, provided the market with good support, while other large consuming interests displayed moderate demand. The manufacture of aluminum is to be introduced into Poland, according to official reports to the Department of Commerce. A new company financed by metal manufacturing companies with the assistance of the government, is erecting a foundry and manufacturing plant in the Central Industrial District near Warsaw. The initial capacity of the plant will approximate 4,000 tons of pure aluminum annually, a total which will be increased gradually to 6,000 tons. Heretofore, Poland was entirely dependent upon outside sources for the metal.

Alums.—Alumina sulphate, ammonia and potash alums continue to be taken moderately last week. Contract and spot withdrawals by major consumers were steady. Pricewise a firm tone prevailed.

Ammonia, Anhydrous.—Warm weather provided the necessary stimulant to the market, tanks and cylinders were reported as showing more normal tendencies as consumers made larger withdrawals against contracts. Quotations were firm.

Ammonia, Aqua.—Leading factors made their appearance when needs became urgent, and transactions were somewhat spotty during the past week. Quotations were well sustained at previous levels.

Ammonia Bifluoride.—While demand was not heavy, a fair movement of material for disinfectant and sterilization purposes was evident. No change was disclosed in the prices.

Antimony.—Quiet conditions continued to surround the domestic metal market, and demand was spotty and usually confined to small lots. Quotation held firm at the 12c. per pound level. Needle of antimony fully retained its tight position and quotations were about unchanged. Antimony oxide was dull and prices unaltered.

Barium Chloride.—Shipments were usually limited to moderate quantities in this market last week. The call came from the building trades and several miscellaneous consuming channels. Prices ruled unchanged. Barium chloride is made in Belgium in two plants, employing as raw material barytes imported from Germany. Almost the whole of the material is exported, principally to France, England, Argentina and Holland.

Bleaching Powder.—The market was strictly routine, and usual consumers continued to provide the call for necessary quantities only. No change was disclosed in the quotations.

Blue Vitriol.—Interest in the market was maintained at steady levels in virtually all directions. Agricultural demand was up to seasonal expectations, while commercial water treating and export business was holding at an even keel. A steady to firm price tone predominated.

Calcium Chloride.—Dry and warm weather augmented business for dust control activities in not a few sections, and the recent turn enabled the market to recover some of the tonnage lost in the earlier weeks of the season. Other consumers were providing a satisfactory demand also, while exports were largely confined to the Scandinavian countries. Imports from Germany were not a factor to cause any disturbance in the market. Price schedules were in conformity with those prevailing previously.

Carbon Dioxide.—A normal seasonal movement for refrigerating and for the carbonated beverage industry was uncovered during the past week. A steady to firm price tone continued to govern the dealings.

Chlorine.—Withdrawals for water treating and sanitation purposes was the most dominant factor in the market last week. Demand for commercial purposes was fairly steady, although volume was not broadening to any appreciable degree. Quotations for tanks and cylinders were steady to firm at levels established previously.

Cobalt Oxide.—The position of the market was firm, however, business for the ceramic and paint trade were not regarded as large, and the market was about routine.

Copper.—With the leading European markets and the domestic markets closed by holidays, trading in copper was at a standstill early in the week. However there was a moderate revival of independent copper consumer interest in the domestic market and several sales of fair tonnages were consummated later in the week. Domestic price held firm at the 10c. per pound level. A firming up in the export market to the 10.25c. per pound level brought about a better tone here, and scrap copper was fractionally advanced. The advance also had its influence on the outside copper market, which was virtually non-existent.

Copper Salts.—Quotations for carbonate, nitrate and oxides of copper were fully maintained at the levels established the preceding period, while other copper salts remained unchanged. Business in most directions was on a moderate scale.

Copperas.—Improvement in steel operations was a favorable factor, with operations last week advancing to 52.2 percent of capacity, against 48.5 percent in the preceding week and 26.1 percent

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
146.6	146.6	147.9	149.0

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

in the same period a year ago. Nevertheless, the position of the market was firm, and supplies were about sufficient to take care of the demand.

Fluorspar.—Domestic quotations were firm, and some producers were still offering various grades at slightly higher prices. Foreign price was without alteration. Business from the metallurgical and ceramic trades was about fair.

Glauber's Salt.—Major consumers were exerting a moderate interest in the market to cover nearby production requirements as a rule last week. Pricewise, the market underwent no new developments.

Lime.—Demand for agricultural, disinfectant and sanitation purposes was a helpful factor in the market, and assisted in keeping volume up to comparable satisfactory levels. Commercial consumers were displaying a moderate interest when needs became urgent. Prices in various sections were without change.

Magnesia Chloride.—Movement of material to the building trade was fairly steady, while other consumers were showing modest demand at this time. A steady to firm price tone ruled.

Nickel Salts.—A firm price tone prevailed in the market for the chloride, oxide and sulphate last week. Consumers were showing a steady interest in the market for moderate quantities.

Phosphorus.—The market for red and yellow material was routine. Demand for the oxychloride, sesquisulphide and trichloride was only fair. No change developed in the prices, and the tone of the market was steady to firm.

Potash Carbonate.—The glass, soap and textile industry provided most of the interest, but this was not very broad. Sellers were adhering to quotations in force previously.

Potash, Caustic.—There was little new to report in this direction, usual consumers provided the demand for moderate quantities. Price schedules were without alteration. Caustic potash is manufactured in Belgium in two plants. The raw material is imported from France and Germany. The finished product is sold on the domestic market to the consuming industries in the form of lye and as a solid product for export.

Potash Chlorate.—Demand from the match trade remained steady. The position of the market as far as prices were concerned remained unchanged. Imports into the United States during 1938 amounted to 13,219,895 pounds, valued at $781,106, compared with 13,345,467 pounds, valued at $552,750 in the preceding year.

Potash Cyanide.—Consumers were making only modest commitments during the past week. Quotations were firm. Imports into the United States during 1938 aggregated 83,664 pounds, valued at $29,751, compared with 85,605 pounds, valued at $34,460 in the 1937 year.

Saltcake.—Shipments against contracts were moving to the Kraft paper and glass trade in moderate volume, although business was showing no tangible evidence of expanding last week. Prices for domestic and foreign material were the same.

Soda Ash.—With the month end and holiday influences to cope with, the market received little chance to improve last week. Tonnage was not up to expectations during the month of May, showing some recession from the preceding month, although about in line with the same month a year ago. Quotations were unchanged.

Soda Bicarbonate.—A steady interest was manifest in the market from usual consuming interests. Prices were unchanged, and a steady tone prevailed for the most part.

Soda Caustic.—The position of the market appeared firmer than heretofore. Stocks on hand were not considered as burdensome as earlier in the year, while consumers supplies likewise were on a more favorable basis. Industrial demand was spotty, and some disappointment was express over volume at this time.

Soda Chlorate.—The late Spring has prevented a more normal movement of material for weed killing, but sellers were hopeful that the recent turn in the weather would bring about more normal conditions. Pricewise a steady to firm tone predominated. Imports into the United States during 1938 aggregated 5,156,164 pounds valued at $220,015, against 7,069,842 pounds, valued at $265,848 in the preceding year.

Soda Cyanide.—Movement to the metallurgical and case hardening channels was moderately active, although demand was not expanding to any degree. The tone of the market remained steady to firm.

Soda Nitrite.—Nothing new transpired in this direction, and major consumers were pursuing a cautious purchasing policy for the most part. Quotations were in line with those established some time ago.

Soda Phosphate.—A steady interest was uncovered in the market for moderate quantities from the various consuming channels last week. Prices were without alteration, and a steady tone governed the dealings.

Soda Silicate.—While buying was spotty, sellers were able to point to some good buying interest at times from leading consumers. There was nothing new to divulge in the price schedules.

Soda Silicofluoride.—A slightly steadier tone was discernible in the market. This could be attributed to the reduced offerings from abroad as a result of the easiness and lack of heavy buying here. Withdrawals were irregular, and chiefly confined to nearby needs.

Soda Stannate.—Quotations were firm at the 32c. to 35c. per pound basis established a few weeks ago. There was little change in business from recent periods, and most trading was for moderate quantities.

Sulphur Refined.—Demand for agricultural purposes was somewhat improved, however, this was not sufficient to offset some of the lag experienced from major industrial users. Quotations for various grades of material were unchanged.

Tin Salts.—A firm price tone prevailed in the market for various tin derivatives last week. Quotations for tin crystals, anhydrous tetrachloride and anhydrous stannous chloride of tin were all maintained at former levels. Straits metal was around 49c. per pound.

Zinc Cyanide.—A firm price tone prevailed in the market. The call for electroplating purposes was not very broad, and the market was little better than routine.

Acids

Demand for acids was held to moderate proporations throughout the past week. The intervening holiday together with the month-end prevented any normal expansion in volume. Business was expected to retain the same pace for the time being in view of the usual seasonal leveling off in industrial operations. However, the recent upturn in steel production was an encouraging factor, which led many to believe that the decline, if any, will not take place immediately. Prices were without change. A firmer tone was uncovered for formic, perhaps, brought about by the lessened foreign competition as the result of the higher tariff on German materials. Acetic was without any improvement. Chromic was taken in a routine manner by the plating trade. Gallic was dull. Muriatic and nitric were moderately active. Small consumers took satisfactory quantities of oxalic. Sulphuric remained quiet.

Acetic.—Business underwent little improvement, and most grades were taken in an irregular manner to cover nearby requirements. Price schedules were unchanged.

Chromic.—The call from the plating trade was steady for moderate quantities during the past week. A steady to firm price tone ruled.

Formic.—A firmer tone was evident in the market recently, and this could be attributed to the lessening of foreign competition to some extent. Domestic business was about fair.

Muriatic.—Contract and spot withdrawals were moderately active, shipments for export were holding at satisfactory levels. Prices ruled unchanged.

Nitric.—Usual consumers made their appearance for necessary requirements and a general cautious purchasing policy remained in evidence. Quotations were in line with these prevailing before.

Oxalic.—Small consumers were giving the market ample support, while from time to time large factors made commitments against contracts. A steady to firm price tone governed the dealings.

Sulphuric.—Improvement was lacking in the market for various grades of acid last week. The month-end and holiday influences were not conducive to any renewed buying interest. An advance in steel production to 52.2 per-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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cent of capacity was an encouraging factor, however, other leading industrial consumers' operations were holding about the same. The market experienced no change in price schedules.

Baltimore, May 31.—The intervention of a holiday in the past week was not calculated to stimulate the inquiry for sulphuric acid, even though the reports at the end of the week showed a substantial gain in the production of steel. In the absence of any factors that might influence the market appreciably, the quotations still stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. The situation as to oleum is likely to parallel that in acid, with the figure mentioned for the present unchanged nominally from the $17 per ton price that has been held up for some time with regard to 20 percent material.

Insecticides

The appearance of warm and dry weather in most sections augured well for consumption of agricultural insecticides and fungicides last week. While the season is still some weeks behind, many consumers made their appearance, who heretofore were cautious in making substantial commitments. Buying of calcium arsenate was slightly improved in the South, with weather conditions virtually normal in most cotton states. Some renewed interest was disclosed in lead arsenate, and the market underwent no additional price fluctuations. Paradichlorobenzene was experiencing a steady demand for moth prevention purposes at this time, while peach growers likewise were moderate purchasers. Moderate quantities of soda arsenate moved to various consuming channels. Prices were fully maintained, and a steady to firm tone characterized the trading.

Although the compounding in Turkey of insecticides from imported raw materials is making considerable progress, finished products still figure as an important item in the Turkish import trade. During the first ten months of 1938 imports were 473,812 kilograms, against 767,314 kilograms during the full year of 1937. The United States was the largest supplier during 1938 furnishing 246,762 kilograms during the first ten months, with Germany second from a quantitative standpoint with 161,702 kilograms, according to the American commercial attache at Istanbul.

Calcium Arsenate.—The situation in the market underwent little change from the preceding period. Buying in the South was slightly better, but no rush buying made its appearance as yet. Weather conditions in most cotton states were about normal. Prices were the same.

Lead Arsenate.—With more seasonable weather conditions prevailing in most sections, buying was uncovered in not a few instances to give the market a satisfactory amount of support. Quotations were in line with those recorded the previous period.

Paradichlorobenzene. — The market remained in a firm position last week. Buying was reported as satisfactory for moth control purposes, while peach growers were exerting a moderate interest at this time.

Soda Arsenate.—Demand was held to moderate proportions during the week just ended. There was nothing of importance to reveal in the prices, and a steady to firm tone predominated.

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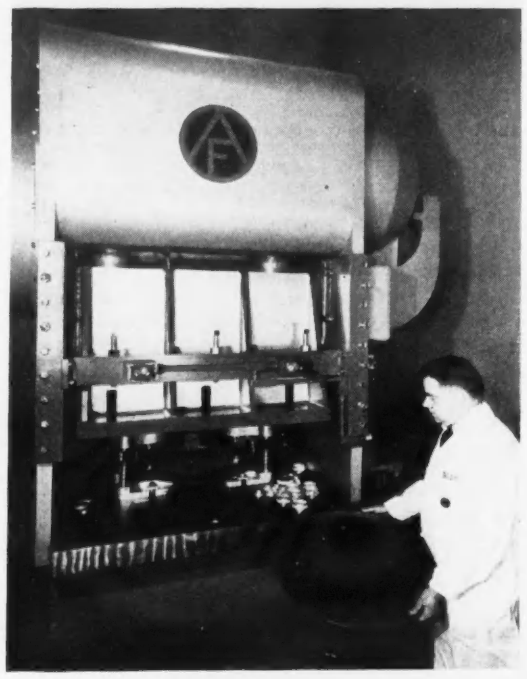
Drum Closure Insertion Time Cut 75 Percent by New Dies

A steel drum-head can be cut from the blank metal sheet, drawn to shape, and fitted with one ¾-inch and one 2-inch "Tri-Sure" flange—all with one stroke of the press—by means of a set of dies newly developed by the American Flange & Manufacturing Company, which has its general offices in this city.

These new dies enable a drum manufacturer to do with one operation of the press what heretofore has required five separate operations—one to cut and form the head, two to cut the apertures and shape the seatings for the two flanges, and two more to fit the flanges.

As the feeding of the blank to a press fitted with a set of the new five operations in one dies and the completion of the single stroke required take practically no more time than does any of the five separate operations, the saving in operating time is substantial. This, obviously, results in a commensurate saving in operating cost. An additional saving in both respects, and also in overhead cost of equipment, is made possible by the fact that one press will do in the same time as much as five presses fitted for single, separate operations. There is a substantial saving of labor in this, too.



Flange-Inserting Press That Cuts Four Operations to One

Two Presses Replace Seven

Another new double-duty die is offered by the American Flange & Manufacturing Company, one that with one stroke of the press fits the flange of a side opening. This die fits a Horn press. Using this die, together with a set to draw the head and insert two flanges, a drum manufacturer making three-opening drums or both head-spud and side-sput drums can do with two presses—one operation of each—all that for which, with the present processes, seven presses or, at least, seven separate operations are required.

A notable point in connection with these new dies, is that they set the flange much more tightly than is possible when the aperture is cut and shaped before the flange is inserted. In the latter operation it is necessary that the size of the seat be such as will permit ready application of the flange. In the new process the flange seat is shaped directly about the "Tri-Sure" octagon base and fits it closely and exactly.

Notwithstanding the advantageous saving in cost made possible by its newly developed dies, the American Flange & Manufacturing Company is not going into the drum-manufacturing business. "We are content," says R. L. Parish, president, "to provide still better closure service for those who are already making good drums."

Shown at N.Y. World Fair

The American Flange & Manufacturing Company is showing its flange-setting dies in operation on a press in its exhibit in the Hall of Industrial Sciences, Chemicals, and Plastics at the New York World Fair (see accompanying illustration). Time did not permit it to get ready for this exhibit a press equipped also to blank and form the drum-head.

It is noteworthy as an indication of the accuracy of the dies that as many as eight flanges have been set in one drum-head on the machine in the exhibit without this extraordinary number of seatings showing a sign of strain on the metal.

Drum manufacturers are being invited by the American Flange & Manufacturing Company to send it a limited number of drum-heads which it will fit with a ¾-inch and a 2-inch flange on the World Fair machine and decorate each head with a small three-color decalomania of the fair's symbolic trylon and perisphere.

Speeds Closing of Drums

An implement for speeding the closing of drums has been adapted to the drum-closure field by the American Flange & Manufacturing Company. This is an air wrench for the tightening of drum plugs. This wrench—it is also on operating exhibition at the New York fair, as pictured herewith—is fitted with combination jaws of nonsparking copper alloy which fit both a ¾-inch and a 2-inch "Tri-Sure" plug.

Air Wrench That Speeds Drum Closing

Uniformity of pressure and speed are the claims for this tightener. An operator working at a conveyor line has closed 420 drums—840 openings—in one hour with this wrench.

The company can supply left-handed air wrenches for opening drums.

Tariff Commission Issues Data on Imports from Sweden

The Tariff Commission has issued today two more volumes in the series of statistics of imports in 1937 and 1938 from countries with which trade agreements are in effect. The new volumes contain statistics of imports of articles upon which the United States granted concessions in the trade agreements with Sweden and with Brazil. The agreement with Sweden has been in effect since August 5, 1935, and the one with Brazil since January 1, 1936. For both years the imports of the articles included in the trade agreements represent a large portion of the total imports from each of the countries.

Manufacturing Chemists Elect duPont President

—*Continued from page 3*

First vice-president, George W. Merck, of Merck & Co., Rahway, N. J.

Second vice-president, Charles Belknap, of the Monsanto Chemical Company, St. Louis.

Treasurer, J. W. McLaughlin, of the Carbide & Carbon Chemicals Corporation, New York.

Secretary, Warren N. Watson, Washington.

Members of the executive committee, H. L. Derby, of the American Cyanamid & Chemical Corporation, New York, chairman; E. M. Allen, of Mathieson Chemical Works, New York; Leonard T. Beale, of the Pennsylvania Salt Manufacturing Company, Philadelphia; William B. Bell, of the American Cyanamid Company, New York; R. N. Chipman, of the Chipman Chemical Company, Bound Brook, N. J.; J. H. Dunbar, of E. I. duPont de Nemours & Co., Wilmington, Del.; Russel H. Dunham, of the Hercules Powder Company, Wilmington, Del.; Harold O. C. Ingraham, of the General Chemical Company, New York; August Kochs, of Victor Chemical Works, Chicago; Clyde Marlatt, of the Martin Dennis Company, Newark, N. J.; Charles S. Munson, of the U. S. Industrial Alcohol Company, New York.

Aside from the transposing of Mr. duPont and Mr. Allen, the only change in the official family is the succeeding of Charles W. Millard, of the General Chemical Company, by Mr. Ingraham. Mr. Millard had served on the executive committee fourteen years. An earnest appreciation of his services was voiced by President Allen in an expression of regret at Mr. Millard's retiring.

George W. Merck
Re-elected First Vice-President

Executive Report

A summary of the year's work and projects of the association was given by H. L. Derby, chairman of the executive committee, as follows:—

Statistical Reports

In June, 1938, and May, 1939, we sent to each member reports No. V and VIII containing graphs on wage, hour, employment, and price trends in the chemical industry compared with all industry from 1929 or 1932 to March, 1939, the data being based upon the monthly statistics of the United States Department of Labor.

In September, 1938, a special report (No. VII) containing eighteen pages of graphs was sent to member executives on "employment, prices, and price trends in the chemical industry." This report was based entirely upon official price data of the Department of Labor and the United States Tariff Commission. It covered price trends on a variety of selected products and groups in the chemical industry. It should be emphasized that the information compiled by the Department of Labor is based upon spot and quoted prices taken from the OIL, PAINT and DRUG REPORTER, whereas statistics published in the Tariff Commission's annual census of dyes and other synthetic organic chemicals are based upon the total annual sales, representing the realization price which is normally lower than the spot quotation. It is significant to point out that the price index for chemicals as reported by the Department of Labor is below the prewar figure in 1913 and 1914.

Our statistical report No. VI showed a revealing comparison of the cost of food to chemical workers in France, England, Switzerland and the United States, based upon international official figures. This graph and table showed that to purchase a "standard basket of food" the French chemical worker worked 7.1 hours; the English, 5.9 hours; the Swiss, 5.6 hours, and the American chemical worker, 3.2 hours.

Another statistical service includes a monthly import list showing imports by quantity and value of chemicals the subject of tariff reduction under the various trade agreements.

Technical Committees

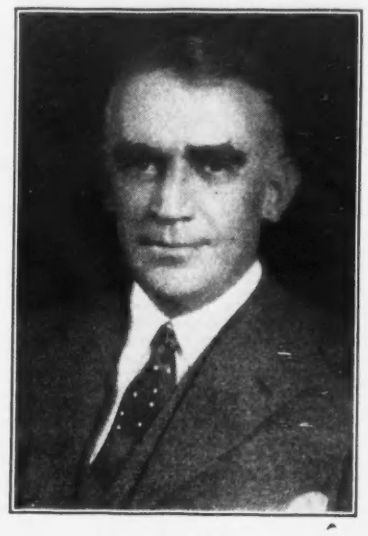
Our technical committees have been principally occupied with regulations on transportation of dangerous articles; first, a general revision of the I.C.C. rail regulations on dangerous articles, which has gone through the second proof; second, a revision of the proposed I.C.C. truck regulations for dangerous articles, which has gone to public hearing and at which five witnesses appeared from our association, submitting specific recommendations; and lastly, the general revision of the proposed rules and regulations on the transportation and storage of dangerous articles on board vessels by the United States Department of Commerce, which has not yet gone to public hearing.

These broad revisions have placed an unusual burden upon our technical committees and the staff of member firms concerned with these three types of transportation. Once in effect these regulations will not be subject to a general revision for many years. The importance of these regulations to our industry cannot be overemphasized.

The committee on the standardization of containers for non-regulatory articles has completed an exhaustive study of the containers used for the transportation of trisodium phosphate, including recommendations for the elimination of certain types and the adoption of others in the interests of preserving the product from contamination, and economy of container cost.

At the hearing before the Interstate Commerce Commission on April 11 on section 204 (a) (3) of the motor carrier act, which gives the I.C.C. authority, if need therefor be found, to establish for private carriers "reasonable requirements to promote safety of operation and to that end prescribe qualifications and maximum hours of service of employees and standards of equipment," Mr. H. F. Suiter appeared as a witness on behalf of the M.C.A., presenting testimony from a survey of member companies operating trucks which showed that the average daily hours of duty were 8.3 hours; lowest weekly hours, 35; highest, 44; and that the accident average per 100,000 miles was 1.9; 21 percent of the trucks were operated in interstate movement, and 79 percent in intrastate movement. Our position was

—*Continued on page 36*



Charles Belknap
Re-elected Second Vice-President

J. W. McLaughlin
Re-elected Treasurer

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-forty-eighth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

4-Amino-1:3-diphenoxybenzene

Textile

Starting point (Brit. 488595) in making—
- Diazotized red dyes on cotton yarn by coupling on the fiber with—
  - Acetoacetic acid arylamides
  - 2:3-Hydroxynaphthoic acid arylamides

Ammonium Bifluoride

(Acid Ammonium Fluoride, Ammonbifluorid, Ammondoppeltefluorid, Ammonium Acid Fluoride, Bifluorammoniak, Bifluorammonium, Bifluoro di Ammonio, Bifluoro Amonico, Bifluoro de Amonio, Bifluorure Ammoniaque, Bifluorure d'Ammonium, Doppeltefluorammoniak, Doppeltefluorammonium, Fluorure Acide Ammoniaque, Fluorure Acide d'Ammonium, Fluorure Ammoniaque Acide, Fluorure d'Ammonium Acide, Zweifachfluorammoniak, Zweifachfluorammonium)

Analysis

Reagent in—
- Analytical processes involving control and research in science and industry

Brewing

Inhibitor of—
- Cloudiness in beer
- Secondary fermentation in beer

Sterilizer for—
- Apparatus
- Barrels
- Equipment

Beer-testing devices

Ceramic

Process material in—
- Manufacturing processes

Dairying

Sterilizer for—
- Apparatus and equipment

Food

Sterilizer for—
- Apparatus
- Containers
- Equipment

Glass

Etching agent

Ingredient (U.S. 1997375 of—
- Frosting agent for electric lamp bulbs

Metallurgical

Decomposing agent for—
- Beryllium minerals in extracting beryllium from its ores (Brit. 457-315)
- Silicates in extracting metals from silicates (U.S. 1426890 and 1426891)
- Titanium minerals in extracting titanium from its ores (Brit. 456058)

Oxidation inhibitor (Brit. 403891 and 404518) in—
- Magnesium metal refining

Remover (Brit. 377079) of—
- Oxides and gases from aluminum and aluminum alloys (used in admixture with antimony pentachloride, carbon tetrachloride, manganous chloride, or silicon chloride, alone or variously combined)

Miscellaneous

Disinfectant and sterilizing agent for various purposes

Ingredient (U.S. 1471466) of—
- Metal cleaners and polishes

Spirituous Beverages

Inhibitor of—
- Secondary fermentations

Sterilizing agent

Textile

Mordant

Wine

Inhibitor of—
- Cloudiness
- Secondary fermentation

Sterilizer for—
- Apparatus and containers

Barium Bromide

(Bariumbromid, Brombarium, Bromure de Baryum, Bromuro de Bario, Bromuro di Bario)

Chemical

Reagent for—
- Removing sulphate impurities from alkaline bromides

Starting point in making—
- Barium bromate

Photographic

Ingredient (U.S. 1431900 and 1434453) of—
- Antistatic photographic film

Barium Butylxanthate

Rubber

Accelerator in—
- Vulcanizing processes

Betagammadihydroxypropylisohexylamine

Dye

Wetting agent (Brit. 490567) in—
- Strong alkaline solutions

Laundering

Wetting agent (Brit. 490567) in—
- Strong alkaline solutions

Miscellaneous

Wetting agent (Brit. 490567) in—
- Strong alkaline solutions

Paper

Wetting agent (Brit. 490567) in—
- Strong alkaline solutions

Textile

Wetting agent (Brit. 490567) in—
- Mercerizing baths
- Scouring compositions
- Strong alkaline solutions
- Washing compositions

Bismuth Triphenyldibromide

Miscellaneous

Mildewproofing agent for—
- Various products, such as textiles, canvas, leather, paper, and the like

---

5-Chlor-2-hydroxy-4'-methylditolylmethane

Miscellaneous

Mildewproofing agent for—
- Various products, such as textiles, canvas, leather, paper, and the like

---

Coumarin-3-carboxyl Chloride

Chemical

Starting point (Brit. 489952) in making disubstituted amides with—
- Diethylamine
- Dimethylamine
- Dipropylamine

Coumarin-3-carboxylmethylpropylamide

Pharmaceutical

Claimed (Brit. 489952) to be a valuable sedative

Dialphanaphthylformanisidin

Lubricant

Antioxidant for—
- Motor lubricants

Diaminoquinazolin

Chemical

In organic syntheses

Resins

Starting point (Brit. 490687, 490688 and 490689) in making—
- Synthetic resins with aliphatic aldehydes
- Synthetic resins which are resistant to heat and water and suitable for use in making utensils for domestic, sanitary, and similar purposes
- Synthetic resins useful as electrical insulating material in making switches, fuse boxes, lamp pedestals, and the like
- Synthetic resins useful as surfacing material for phonograph records

---

Dilorolpyridinium Phosphate

Lubricants

Starting point (Brit. 457548) in making—
- High-pressure lubricants, die-making lubricants, boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

---

1:3-Diphenyl-2-propyltetrahydroglycoxalin

Lubricant

Antioxidant for—
- Motor lubricants

3-Hydroxy-1-propanesulphonic Acid

Insecticide

Suggested for use as—
- Insecticide

Melamine

Chemical

In organic synthesis

Resins

Starting point (Brit. 490687, 490688, and 490689) in making—
- Synthetic resins with aliphatic aldehydes
- Synthetic resins which are resistant to heat and water and suitable for use in making utensils for domestic, sanitary, and similar purposes
- Synthetic resins useful as electrical insulating material in making switches, fuse boxes, lamp pedestals, and the like
- Synthetic resins useful as surfacing material for phonograph records

---

Metadodecylaminophenylhydroxynaphthothiazolesulphonic Acid

Photographic

Starting point (Brit. 490517) in making—
- Dyes used in black and white (silver halide emulsions) pictures (such pictures are claimed to have particularly fine grain and to be suitable for enlarging)

Metaphenylene Di-isosulphocyanide

Insecticide

Claimed (Brit. 471154) as—
- Insecticide

Nicotine Di-isosulphocyanide

Insecticide

Claimed (Brit. 471154) as—
- Insecticide

Paraditolylparaphenylenediamine

Lubricant

Antioxidant for—
- Motor lubricants

Parahydroxydiphenyl Thiocyanate

Inhibitor (Brit. 466877) of—
- Deterioration of paper through the action of light or during storage

---

Pentaerythrityl Bromide

Insecticide

Claimed (U.S. 2140481) as—
- Insecticide

3-Phenyl-2:5-dimethyl-2:3-dihydrothiodiazo Methiodide

Photographic

Starting point (Brit. 457450 and 490729) in making—
- Sensitizing dyes for silver halide emulsions by condensing with—
  - Alkyl esters of orthocarboxylic acids
  - Beta-anilinoacraldehydeanil
  - Diarylformamidin
  - Glutaconaldehydedianilide hydrochloride

Sodium Butyl-secondary-betabromallylbarbiturate

(Pernocton)

Pharmaceutical

Suggested for use as—
- Nonvolatile anesthetic

Sodium-1-Metasulphophenyl-3-parastearamidophenyl-5-pyrazolone

Photographic

Ingredient (Brit. 489162) of—
- Color-sensitive layers in color photography

Tetraphthal-2:5-diethoxyanilide Chloride

Chemical

Intermediate (Brit. 489430) in making—
- Medicinal chemicals

Dye

Intermediate (Brit. 489430) in making—
- Synthetic dyestuffs

Textile

Assistant (Brit. 489430) in—
- Textile processing

Triglycolamic Acid

Cosmetic

Tartar solvent (Brit. 490384) in—
- Dentifrices

Zinc Fluosilicate

Insecticide

As an insecticide

J.A. Huisking to Join Fritzsche Brothers July 1

—Continued from page 4

Huisking was made vice-president, and later became secretary.

As Mr. Huisking grew in experience and knowledge, his interests extended to trade organization work and he was elected chairman of the Drug, Chemical and Allied Trades Section of the New York Board of Trade in 1937, in which year he also became president of the Drug and Chemical Club.

Commenting on his new venture, Mr. Huisking stated that he was glad he left his present associates with their best wishes for his future. His brother, Charles L. Huisking, president of the Huisking company, said that he had accepted his brother's resignation with keen regret, knowing full well that Fritzsche Brothers' gain would be a real loss to Huisking & Co. To have refused the resignation, said Mr. Huisking, would have been selfish and unmindful of his brother's best interests as afforded by the splendid opportunity offered him by Fritzsche Brothers. He also said that his brother would go to his new position with the sincere, good wishes of the officers and employees of the Huisking company.

F. H. Leonhardt, president of Fritzsche Brothers, expressed the pleasure and delight of the officers of the company in securing the talents and commercial perspicacity of Joseph A. Huisking.

Whalers Built Abroad Registration in U.S. Asked

OPD Washington Bureau
May 29, 1939

Hearings have been completed by the house committee on merchant marine and fisheries on bills to permit American registration of fishing vessels built abroad, particularly to permit American whaling companies to register foreign-built killer boats, but it is not expected that the committee will act favorably on the proposal.

Under the provisions of the revenue law passed last year whale oil may not be brought into the United States free of duty as the product of an American fishery unless all vessels used in catching whale and producing and transporting the oil are of American registry. Merchant marine laws prohibit American registration of foreign-built vessels of this type, and American whaling companies declare that it is impossible to have satisfactory killer-boats built in this country except at prohibitive prices.

The revenue provision regarding whale oil becomes effective July 1, 1939, and the bureau of Navigation and Marine Inspection of the Department of Commerce does not favor the bill to permit registration of foreign vessels and this position is supported by domestic producers of competitive oils and American shipbuilding interests so action by the committee before July 1, is not anticipated.

Lever Brothers Upheld On 'B.O.' Trademark

OPD Washington Bureau
May 29, 1939

Reversing the Commissioner of Patents, the Court of Customs and Patent Appeals today held that the Lever Brothers Company, manufacturer of "Lifebuoy" soap, has a right to the use of the letters "B.O." sufficient to permit it to oppose the registration of a similar trademark.

The Lever company opposed the application of Nobio Products, Inc., for registration of the word "Nobio" for a liquid personal deodorant, but registration was allowed by the Patent Office. The mark was represented as being the initials of the phrase, "natural oils ban intimate odors." Evidence showed that prior to the time the Nobio product was placed on the market the Lever company spent some $10,000,000 advertising that its soap would correct body odor, usually identified by the initials "B.O.," and that while the letters were never used as a trademark they were associated in the public mind with Lifebuoy soap. The court held that it may be that Lever Brothers Company is not entitled to the exclusive use of the letters "B.O." but it does have the right to oppose registration of a similar mark on similar goods.

Glidden Co. Plans Refinancing

The Glidden Company, paint manufacturer, Cleveland, has arranged to refinance $4,000,000 of notes at lower rates of interest, saving approximately $170,000 over the life of the notes, according to a statement mailed to preferred stockholders by the company.

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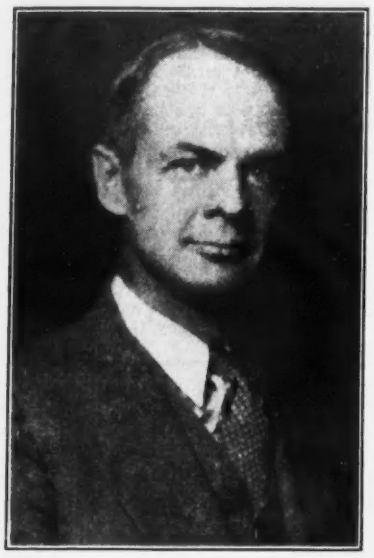
59 John Street :: New York, N.Y.

Manufacturing Chemists Elect duPont President

—Continued from page 33

that Federal regulation of private trucks was not needed.

On October 29 the Interstate Commerce Commission advised the Association of American Railroads that advertising on privately owned cars was prohibited and that association in turn informed private tankcar owners of this ruling. Following a conference between the director of the



Warren N. Watson
Executive Secretary

bureau of safety and members of the commission's staff with representatives from our association and other private tankcar owners, the subject was reconsidered and on April 13 we were advised by the Association of American Railroads that the notice of October 29 was cancelled and that markings in use prior to October 29 may be maintained if they do not interfere with markings required by the Interchange Rules.

Safety

I am glad to report that we have issued seven safety manuals during the past year, the largest number issued during any year sinee the program was initiated in 1932. These manuals are of great practical value in the protection of our cus-

H. L. Derby
Chairman M.C.A. Executive Committee

tomers from accidents in handling chemicals; for example, the latest manual, TC-3, covers the unloading of tankcars containing caustic soda or potash. The C-5 label for carboys has been in heavy demand, over 400,000 having been distributed to date. Twenty-two manuals have been issued, and there are several others under preparation for release during the coming year. There follows a list of the manuals issued during the past fiscal year:—

C-4. Carboy Stoppers, Porous Earthenware. Specification and Method of Testing.

C-5. Carboys, Glass, Boxed — Warning Label. (When used for any product authorized for shipment therein, except nitric acid.)

D-39. Drums, Steel—Warning Label. (For drums containing aqua ammonia.)

T-7A. Table—Sulfuric Acid, 94-100 percent.

TC-1. Cars, Tank — Steel — Unloading, When Filled With Sulfuric Acid or Mixed Nitric and Sulfuric Acids. Adopted 1938. Revised 1939.

TC-2. Cars, Tank — Steel, I.C.C. Spec. 103B, Rubber-Lined, Unloading, When Filled with Muriatic Acid or Other Liquids Authorized for Shipment Therein.

TC-3. Unloading Liquid Caustic. Cars, Tank—Steel—Unloading, When Filled with Liquid Caustic Soda or Caustic Potash.

Our national clipping service on household and other poisonings has been extremely helpful in label revision where a change in the warnings might reduce oversight, mistaken identity, or carelessness.

We have recently initiated a plan for reporting accidents (1) during transportation, (2) in the plants of consignees, and (3) by ultimate consumers, such reports to be compiled and sent to the members at periodic intervals. The coverage, however, excludes compressed gases which are already separately handled. We feel that this opportunity for exchange of the chemical industry's accident experience will prove to be of great value in finding the cause and remedy of accidents in the handling of chemicals after they leave our plants.

State Legislation

At no time in our chemical history has pending State legislation affecting chemical products occupied such an important position. There have been bills in fourteen States for the regulation of insecticides and fungicides. The M.C.A. model State bill has passed in Maryland and is pending in other States. In several States

L. T. Beale
Member M.C.A. Executive Committee

it has been necessary to amend existing pharmacy acts to exempt agricultural insecticides and fungicides and sales of chemicals to the arts and industry.

Another problem is presented by an effort under pharmacy bills to obtain a monopoly on the sale of technical chemicals by a registered pharmacist, and bills have appeared this year requiring that drugs and devices can only be made and sold under the supervision of a registered pharmacist. The necessity of exempting heavy technical and agricultural chemicals from the scope of the pharmacy and retail drug bills needs no further emphasis. In California two bills were introduced which provided that the sale of two important coaltar intermediates—diphenylamine and dinitrophenol—was a felony.

It is our feeling that we are entering a period in which the states will seek more and more to regulate our products and operations which, in turn, will call for increasing attention by our industry.

Our policy has always been to carefully avoid support for any measure contrary to public welfare and to confine our opposition to those measures which impose hardships upon the consumer, distributor and manufacturer of chemical products. Wherever possible, it has been our policy to work out our legislative problems with state officials so there can be an

TESTING CARBON BLACK BY
YOUR STANDARDS

In this laboratory rubber mixing mill at Continental's modern plant, a technician is testing Continental Carbon Black. Typical batches are being mixed constantly, vulcanized and tested for performance under actual production conditions. In such ways our chemists not only maintain a high level of quality in Continental Carbon Black but also gain valuable information which may be of assistance to the rubber compounder. This and other tests are representative of the high type of service Continental gives to the carbon black using industries, and account in no small measure for the wide acceptance of Continental Carbon Black.

Continental

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agreement before the state legislative committees.

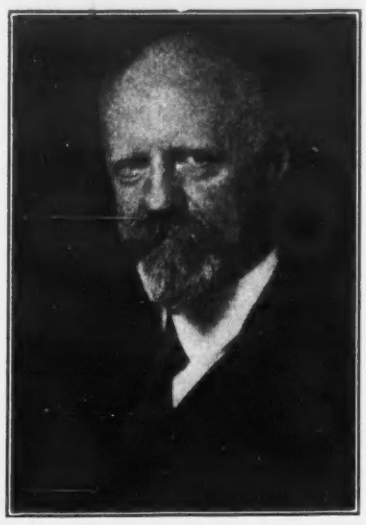
Food and Drug Regulations

On October 15 proposed regulations under the Federal food, drug and cosmetic act were issued, the subject of hearing on November 17. Our association filed a brief with particular reference to questions concerning the classification of a chemical as a drug or a food and the exemption from adequate directions for use for (1) those chemicals or drugs shipped to another manufacturer, and (2) U.S.P. chemicals for prescription use. Our brief dealt specifically with regulations under sections 201, 303, 405, 502, 503 and 603.

The regulations are effective June 25, 1939. As manufacturers of chemical medicinals, U.S.P. chemicals, and other products going to the food, drug and cosmetic trades, we have had a very real problem in revising our labels and the methods of handling in order to comply with the law and complicated regulations. However, we are making excellent progress in this field.

Trade Agreements

Four new agreements have become effective since June 1, 1938—Ecuador, Canada, United Kingdom, and Turkey. The trade agreement with Czechoslovakia was terminated by a presidential proclamation following German occupation of that country.



William B. Bell
Member M.C.A. Executive Committee

Under all trade agreements concluded, the United States has made over a thousand tariff reductions in the tariff act of 1930, of which 164 were in the chemical schedule. It is significant to note that a third of all reductions were for the full 50 percent authorized in the act, another third between 30 and 40 percent, and one-fifth between 20 and 29 percent. In addition, ninty-six dutiable items were bound, and 142 items were bound duty-free. This clearly demonstrates the wide scope of the downward revision of our tariff.

Few realize that if a tariff item is included in a trade agreement, it is then automatically excluded from section 336, the flexible tariff provision, whereby rates can be adjusted after investigation by the Tariff Commission and proclamation by the President within a 50 percent up or down limit. Thus possible relief from section 336 is being rapidly curtailed.

In regard to concessions of foreign countries to the United States, very few foreign tariff rates have been reduced which benefit our chemical export trade, and the conclusion is inescapable that the benefits to our industry have not compensated for the concessions granted by the United States to foreign countries. From the viewpoint of the chemical industry, the agreements with the United Kingdom and Canada are by far of greater importance than any other agreements completed to date. It must be emphasized in this connection that in the trade agreement with the United Kingdom not only were many chemical items reduced, but there were substantial reductions on manufactured articles into which chemicals enter, including textiles, leather, paper, ceramics, etc., and the increased importation of these finished products can only result in a curtailment in our domestic market for American chemicals. The new Canadian trade agreement, in contrast to all other trade agreements, has involved concessions to the United States, which have aided our chemical exports to that country. However, in this agreement

J. H. Dunbar
Member M.C.A. Executive Committee

heavy reductions were made on our rates for acetic acid and certain other chemical products.

Considerable criticism is reported from agricultural and labor circles on the effect of increasing imports under the trade agreements. While disturbed foreign conditions have tended to divert interest in the trade agreement program, the fact that the present act expires on June 12, 1940, points toward renewed interest in Congress on the fundamental question of modification and extension of the act.

Last year I pointed out that the rising export trade of Japan had been retarded by Japan's conquest in China. Since last June our chemical exports to China and the Far East have dwindled to new lows,

Harold O. C. Ingraham
Member M.C.A. Executive Committee

and there does not appear to be any prospect of recovering that market in the near future. Our industry, like other industries, has encountered severe competition in the export markets from the totalitarian governments, particularly from Germany in South America where we have been forced to the realization that a single firm cannot successfully compete against a nation. Barter deals between Germany and South American countries are such that our export trade has suffered substantial recent setbacks.

Effective after April 23, countervailing duties under section 303 were imposed upon German dutiable imports into the United States which were found, after investigation, to be subject to barter on a premium basis. This is particularly directed against barter deals involving a premium on the exports to this country, and since the effective date there has been considerable modification in the handling of German exports to avoid the require-

—*Continued on page 67*

● The use of Barrett Coal-tar Solvents in recovery operations promotes quick completion of evaporation or drying processes, and reduces loss of solvent. Close and careful cutting provides exceptionally narrow boiling ranges—both in high and low initial point solvents.
These solvents are produced by America's leading manufacturer of coal-tar products. They have been found valuable in many industries not only to improve products but also to cut production schedules and costs.
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Coaltar Chemicals

General Demand Lacks Improvement But Prices Remain Steady —Coal Strike Curtails April Coke By-Product Production —Benzol Output Records Decrease During April

The market for coaltar chemicals experienced little improvement last week. The intervening holiday, naturally, slowed up business to some extent, while sellers were not disposed to order out heavily with the month-end at hand. Volume sale in the basic products, intermediates and colors declined somewhat during May from the April and March levels, although remained well above the same period a year ago. Improvement in steel and coking operations were beneficial factors recently, although the April statistics on by-product coke operations fully reflect conditions brought about by the prolonged coal strike. No price developments occurred in the market, and the tone was about steady to firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
125.6	**125.6**	**125.6**	**126.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Announcement was expected shortly concerning contract prices for other coaltar chemicals over the remainder of the year. Aside from the extension of coaltar solvent schedules nothing new was divulged in quotations. While official word was lacking, the opinion in most quarters was that prices will remain about the same. Phenol continues to move in satisfactory volume. Creosote oil was more active as far as contract withdrawals were concerned. Cresols were taken steadily. Refined naphthalene was benefited by warmer weather, and the market held firm for the imported and domestic crude. The position of benzol, toluol and xylol was about unchanged. Little activity developed in coaltar acids, intermediates and colors.

Suspension of bituminous coal operations on April 1 in the Appalachian Field, with a consequent curtailment of blast furnace activities, was responsible for a drastic reduction in coke output during April. Total production from by-product and beehive ovens amounted to 2,934,560 tons, a decrease of 572,677 tons, or 16.3 percent, in comparison with the March total of 3,507,237 tons. With the exception of February (a short working month) April was the first month to record a decrease over the preceding month since June, 1938. Calendar year accumulations for 1939 to the end of April indicate a gain of 21 percent over the corresponding period of 1938, according to the Bureau of Mines.

The production of by-product coke for the 30 days of April was 2,914,660 tons, or 97,155 tons per day, a drop of 12 percent over the March rate of 110,921 tons, but an advance of nearly 20 percent over the rate prevailing in April, 1938. The curtailment in April over March was more pronounced at furnace plants, where daily production, reflecting the downward trend in the iron and steel industry, declined 15 percent; at merchant plants a loss of only 5 percent was recorded. There were 81 plants making coke during the month, of which 78 made ammonia and 54 made benzol. For five consecutive months stocks of coke at byproduct plants have shown a steady decline, the total at the end of April being 2.3 percent under that of March. All of the decrease occurred at furnace plants, where reserves were depleted 9 percent; at merchant plants a rise of 2 percent was reported. Stocks of coking coal at by-product plants were reduced 2,787,508 tons, or 39 percent, the lowest level attained since May, 1936.

April light oil output was estimated at 11,764,796 gallons, compared with 13,884,616 gallons in March and 10,058,481 gallons in April, 1938. For the first four months this year production aggregated about 51,664,713 gallons, against 42,815,726 gallons in the like period a year ago. Tar recovery during April amounted to approximately 35,664,547 gallons, against 42,090,777 gallons in the preceding month and 30,624,793 gallons in the same month last year. For the first four months output totaled about 156,619,951 gallons, compared with 130,359,908 gallons in the corresponding period a year ago. Output of ammonia liquor (NH_3 content) during April was 3,960,000 pounds, contrasted with 4,434,000 pounds in March and 3,480,000 pounds in April, 1938. For the first four months production aggregated 16,631,000 pounds, against 14,310,000 pounds in the like period last year.

Sales of coaltar chemicals during 1938 totaled $130,000,000 compared with $164,000,000 in 1937, a decline of 21 percent, according to preliminary statistics released by the United States Tariff Commission. Coaltar intermediates produced in 1938 aggregated 402,000,000 pounds, 30 percent under the 1937 figure. Phenol, phthalic anhydride, anilin oil and refined naphthalene provided the most drastic declines, while paradichlorobenzene output was higher. The output of 81,000,000 pounds of dyes was 33 percent less than in 1937. Declines were sharp in sulphur black and synthetic indigo, reflecting to a large extent the curtailment in our dye exports to China.

Basic Products

Benzol.—Sellers were engaged in renewing contracts at the current levels for the final six months of the year. In the interim the position of the market showed relatively little change. Spot and contract withdrawals of industrial grade were steady, and supplies of material were still adequate to cope with this demand. Quotations ruled firm. Steel operations last week were scheduled at 52.2 percent of capacity, compared with 48.5 percent in the preceding week and 26.1 percent in the corresponding period a year ago. Resumption of coal mining together with the lowering of price schedules augmented plant schedules, reflecting in higher operations in blast furnaces and coke ovens. Benzol production during April was estimated at 6,813,000 gallons, against 8,063,000 gallons in the preceding month, a decline of 15.5 percent, and compares with 5,385,000 gallons in April, 1938. For the first four months to date production aggregated 29,805,000 gallons compared with 23,113,000 gallons in the corresponding period a year ago, according to the Bureau of Mines.

Creosote Oil.—Some major consumers continue to display more interest in the market than previously, especially those who made contracts earlier in the year. Spot business was about routine. Quotations were unchanged. Imports of creosote oil into Norway in 1938 amounted to 4,744 metric tons, against 7,216 metric tons in 1937, according to the American consulate general at Oslo.

Cresols.—Demand for the USP and synthetic resin grade was moderate, and the disposition to place commitments for nearby needs persisted. Pricewise a steady to firm price tone predominated.

Cresylic Acid.—The market remained a highly irregular affair. Certain grades of acid continue to move reasonably well, while other materials were dull. Domestic quotations held at previous levels, despite the easier tone prevailing in the imported acids. No new developments of consequence materialized for the foreign material, however, the tone of the market was easy and little interest was displayed for most grades at the lower levels. Offering from abroad were not so numerous in view of the lethargy in the domestic market.

Naphthalene.—A firm tone predominated in the market for crude and refined last week. Warmer weather was beneficial to the market for refined, and

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

consumer interest may lead to some replacement business from jobbers and distributors. Crude material was routine. The position of the imported product was about unchanged, offerings were obtainable at the $1.60 per 100 pound level, and business was moderate. Imports of naphthalene into France during the first three quarters of 1938 dropped to 20,348 metric quintals from 44,274 quintals during the corresponding period of 1937. Of the 1938 imports, 19,040 quintals were of the crude variety and 1,308 quintals represented pure naphthalene.

Phenol.—Shipments to major consuming channels continued at a satisfactory pace last week. While some irregularity was noticeable, on the whole business was considered normal for this time. Export interest was not active. Quotations were in conformity with those prevailing previously.

Pyridin. — Refined and denaturing grade remained quite firm. The refined was well sold ahead, while sellers had little difficulty disposing of the available denaturing material.

Tar Acid Oils.—Consumers were entering the market for necessary quantities throughout the past week. Quotation were without alteration, and a steady to firm tone governed the dealings.

Toluol.—The surface coating trade and other consumers made withdrawals against current supplies in sufficient quantities to keep the market in a tight position. Sellers were engaged in making contracts for the remainder of the year at the same basis.

Xylol.—A firm tone characterized the trading throughout the past week. Consumers were making a steady appearance against contracts and spot business was moderate. Contract renewals were well underway for the balance of the year.

Chicago Coaltar Bases

Buying of various grades of coaltar bases is reported fairly good here. Feeling has been rather steady and the movement of material out on orders is said to be making a good comparison in volume with anything noted in recent months. The supply end of the picture appears to be about unchanged. Inquiries are fair. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13c. to 14c.

Coaltar Acids

Benzoic.—Dealings were on a strictly routine basis throughout the past week. Quotations were unchanged and the tone of the market remained firm.

Cleve's.—Nothing of importance transpired during the week just closed. Trading was usually confined to narrow proportions.

Gamma.—Usual consumers made their appearance for nearby needs, and business was not very active. Pricewise a steady to firm tone prevailed.

Maleic.—Transactions in the powdered and anhydrous were mostly withdrawals against contracts, with spot business about fair. Major consumers made necessary purchases only. Quotations ruled unchanged.

Sulphanilic.—The call for the technical material was moderate, and the tendency to order close to current requirements predominated. Quotations were in line with those established previously.

—Continued on page 40

Powell Duffryn Constructs New Tar Distillery Plant

The new central tar distillery plant put up by the Powell Duffryn group, which consists of Powell Duffryn Associated Collieries, Ltd., and Powell Duffryn Steam Coal Company, Ltd., at Caerphilly in South Wales is now completed. The entire crude tar output of the Powell Duffryn group will be treated at the new distillery, which will also handle the tar from the coke ovens of Richard Thomas Company, including that produced at the new Ebb Vale steel works. In addition to road tar, the new distillery will produce cresylic and carbolic acids, naphthalene and various tar oils, according to the office of the American commercial attache in London.

Dr. Elmer Drew Merrill, administrator of the botanical collections at Harvard University, received the gold medal of the Linnaean Society of London on May 24. The citation described Dr. Merrill as a leading authority on the flora of the Philippines, Borneo, Cambodia, and Indo-China.

Coaltar Chemicals Output Off

—Continued from page 5

alcohol was off 35 percent in production. The steady upward trend in carbon tetrachloride production was broken in 1938 when the output decreased 7 percent. Isopropyl alcohol increased 7 percent in production.

The following tables give comparative statistics on production and sales in various divisions:—

Dyes and Other Synthetic Organic Chemicals
Production and Sales, 1925-30, 1937 and 1938

COALTAR CHEMICALS.	1925-30 Average.	1937.	1938.	Decrease 1938 from 1937. Percent.
Intermediates:—				
Production	207,492,000	575,893,000	401,943,000	30.2
Sales	169,133,000	242,194,000	171,514,000	29.2
Sales value	39,428,000	64,613,000	53,011,000	18.0
Finished coaltar products:—*				
Production	138,078,000	‡373,063,000	275,203,000	26.2
Sales	133,964,000	‡315,742,000	244,066,000	22.7
Sales value	65,027,000	‡128,736,000	103,769,000	19.4
Dyes:—				
Production	94,003,000	122,245,000	81,326,000	33.5
Sales	92,207,000	118,046,000	87,284,000	26.0
Sales value	39,428,000	64,613,000	53,011,000	18.0
Medicinals:—				
Production	4,508,000	14,800,000	11,097,000	25.0
Sales	4,106,000	11,989,000	8,885,000	25.9
Sales value	7,464,000	11,496,000	9,509,000	17.3
Flavors and perfume materials:—				
Production	3,966,000	4,356,000	3,795,000	12.9
Sales	3,919,000	3,907,000	3,618,000	7.4
Sales value	2,961,000	3,983,000	3,283,000	17.6
Coaltar resins:—				
Production	124,442,000	‡142,025,000	106,923,000	24.7
Sales	122,135,000	‡109,201,000	84,763,000	22.4
Sales value	17,736,000	‡20,582,000	15,811,000	23.2
Non-coaltar chemicals:—				
Production	379,972,000	2,529,650,000	2,409,418,000	4.8
Sales	264,006,000	1,168,149,000	1,121,569,000	4.0
Sales value	44,439,000	119,429,000	115,933,000	2.9

* Includes color lakes, rubber chemicals and miscellaneous coaltar products not shown separately.

† Does not include resins from adipic acid, coumarone and indene, hydrocarbons, styrol, succinic acid and sulfonamides.

‡ 1927-30 average.

Dyes and Other Finished Coaltar Products
Production and Sales, 1938

	Production.	Sales		
	Pounds.	Pounds.	Value.	Unit value. Per pound.
Dyes—				
Classified	67,589,000	73,190,000	$36,094	$0.49
Unclassified	13,737,000	14,094,000	16,917	1.20
Totals	81,326,000	87,284,000	53,011	.61
Color lakes and toners	13,867,000	12,118,000	9,018	.74
Medicinals	11,097,000	8,885,000	9,509	1.07
Flavors and perfume materials	3,795,000	3,618,000	3,283	.91
Resins	100,923,000	84,763,000	15,811	.19
Rubber chemicals	18,771,000	14,662,000	5,755	.39
Miscellaneous chemicals*	39,424,000	32,736,000	7,382	.23
Totals	275,203,000	244,066,000	103,769	.43

* Includes benzoate of ammonia, benzoate of soda, benzoyl peroxide, biological stains and chemical indicators, poisonous and tear gases, synthetic insecticides, phthlates, synthetic tanning materials, textile assistants, photographic chemicals, and others.

Container Corporation of America, this city, has acquired the Wilmington, Del., plant of the Delaware Paper Mills, Inc.

Lionel O. P. Walsh, president of the Dominion Tar & Chemical Company, has been elected to the directorate of the McColl Frontenac Oil Company.

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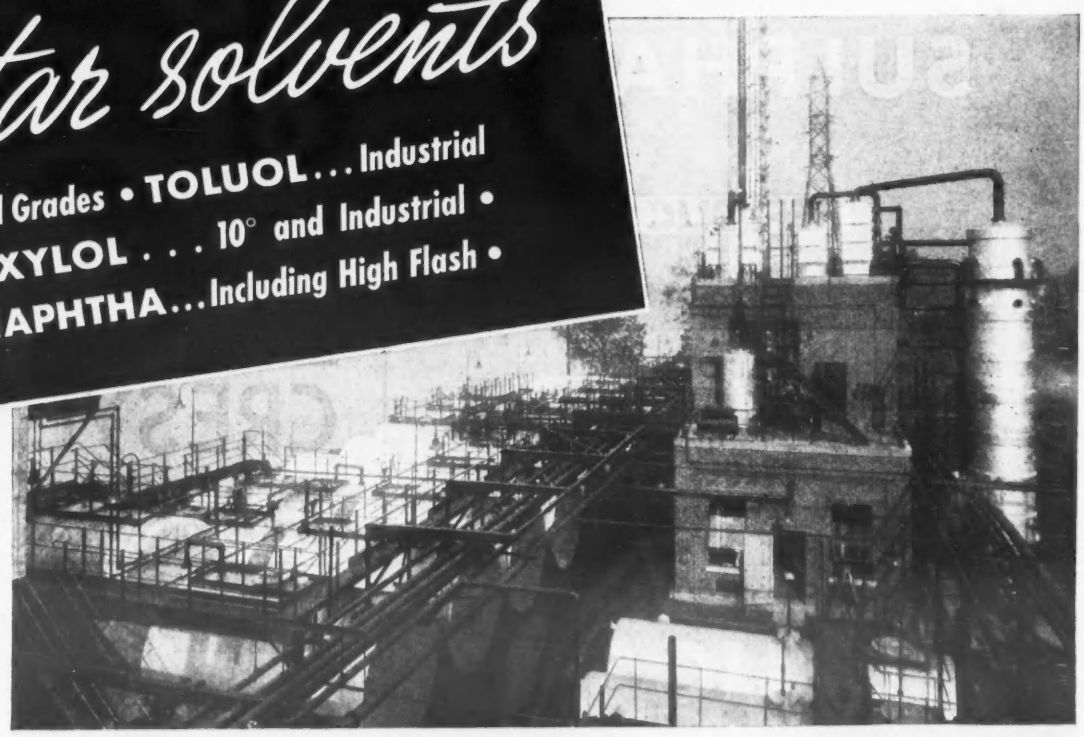

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Coaltar Chemicals

—Continued from page 39

Other Intermediates

Alphanaphthol.—The market failed to display much activity last week, and most of the business was of a routine nature. Prices were without change.

Anilin.—Volume of business showed little signs of expanding, and most factors were exercising caution at this time. Quotations were in conformity with those prevailing for some time.

Betanaphthylamine. — The technical grade was taken in a conservative manner by most consumers during the week just closed. No change was disclosed in the prices.

Dimethylanilin.—Spot and contract withdrawals were not broadening, and the disposition to order close to production requirements was quite general. Prices ruled steady to firm.

Dinitrochlorobenzene. — Shipments were moving at a fair pace, although volume was running behind previous weeks in most directions. Quotations were unaltered.

G, Salt.—A steady to firm price tone characterized dealings in the market. However, demand was only routine.

Nitrobenzene.—Consumers were entering the market for nearby requirements, as rule, last week. Sellers were adhering to quotations in force previously.

Orthotoluidin.—The market noted little in the way of renewed buying interest, and trading was not very expansive. There was nothing of importance to report in the prices.

Phthalic, Anhydride. — Business was moderately active during the period under review. Some large consumers continue to make satisfactory spot and contract commitments. Prices held firm.

Toluidin, Mixed.—A firm price tone predominated in this direction. Usual consumers provided the call for necessary quantities.

Xylidin.—Developments of importance were lacking during the past week, and the market drifted along in a routine fashion. No change developed in the quotations.

Coaltar Colors

Demand for coaltar colors continued along narrow lines last week. The intervening holiday further slowed down activity in important consuming channels. The price tone was steady to firm, and the market failed to record any new changes. Production of coaltar colors during 1938 amounted to 81,000,000 pounds, a decline of 33 percent from 1937 output, according to the United States Tariff Commission announcement. Sales decreased 26 percent in quantity and 18 percent in value. The outstanding changes in the dye trade in 1938 were decreases in sales of sulphur black from 14,000,000 pounds to 8,000,000 pounds in 1938, and of synthetic indigo from 18,000,000 pounds to 12,000,000 pounds during the same period. A severe decline in dye exports to China was one of the primary reasons for the lower sales.

Netherlands Cinchona Bark Trade Sharply Down in '38

The Netherlands trade in cinchona bark, both imports and exports, declined sharply in 1938. Imports totaled 4,713 metric tons last year, against 7,388 tons in 1937. Re-exports were 2,872 metric tons in 1938, against 3,898 tons the previous year.

Obituaries

W. B. Hardcastle

William B. Hardcastle, works manager of the Edgewater, N. J., plant of Spencer Kellogg & Sons, Inc., oil manufacturer, Buffalo, died May 31 in his home in Teaneck, N. J.

Mr. Hardcastle was born in Clay Center, Kans., attended the University of Colorado, and forty years ago entered the employ of the American Linseed Company, with which he remained until ten years ago when the firm was merged with Spencer Kellogg & Sons, Inc. He was manager of the plant at Minneapolis until his transfer to Edgewater four years ago.

Surviving are his wife, Mrs. Florence A. Pew Hardcastle; a son, Thomas Hardcastle; a daughter, Marion Hardcastle, and a sister, Mrs. Amy Davidson, of Denver, Colo.

Otto W. Sartorius

Otto W. Sartorius, vice-president of Reed & Carnick, pharmaceutical manufacturer, Jersey City, died in a hospital in this city May 27, after a prolonged illness. He was fifty-three years of age.

Born in this city, Mr. Sartorius was educated at Polytechnic Institute and Columbia University and for a time was in the banking business. He joined the Reed & Carnick organization about ten years ago. He retired in 1930 from Sartorius & Co., tobacco importer, this city, a firm founded by his father in 1881. Surviving are his wife, son, and two daughters.

William A. Daugherty, former Southern district salesmanager for McCormick & Co., spices, disinfectants and other chemical specialties, Baltimore, died in his home in that city May 28. He was sixty-two years of age.

Joseph Bernard Gaughn, identified with the oil producing industry in Texas since 1907, died in Houston, May 27. He was fifty-six years old.

McKnight Miller, affiliated with the Standard Oil Company of Kentucky in sales promotion work since 1933, died in a hospital in Louisville, May 18. He was thirty-one years of age. His wife survives.

Gale R. Nutty, who retired in 1935 as director and a vice-president of the Gulf Oil Corporation, which he had joined in 1902 as general salesmanager, died in Pittsburgh, May 31. From 1929 to 1935 he was president of the Gulf Refining Company, a subsidiary of the Gulf Oil Corporation.

Aluminum Company of Canada plans the construction of a $200,000 bauxite storage warehouse in Arvida, Quebec.

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Dyestuffs, Textile and Leather Chemicals

Fibrous Mangrove Bark Unavailable — Non-Fibrous Higher —Valonia Beards and Cups Reduced—Gambier Firm—Blood Albumen Demand Good—Bichromates Steady

The intervening holiday further reduced activity in the market for dyestuffs, textile and leather chemicals last week. Curtailments in many important consuming channels prevented the market from showing any improvement from the quiet conditions prevailing for the past several weeks. Tanners were still on a restricted production basis, cotton mill activity was reduced to correspond with lower consumption recently. Silk and wool mills were not stepping up operations at this time. Price changes were confined to lower quotations for valonia beards and cups; non-fibrous mangrove bark was higher.

Despite the dullness, the market was not without some strong spots as far as prices were concerned. Shortage of materials rather than any unusual buying interest was responsible for the firmness. Quotations were entirely withdrawn on fibrous mangrove bark because the material was unavailable, while the non-fibrous was scarce and higher. Gall nuts were none too plentiful, although prices held unchanged. Gambier common was still nominal, while spot quantities of the Singapore cubes and plantation were not large. Turmeric remained firm as the result of the recent crop shortage. Blood albumen was very tight, domestic producers were unable to supply spot demand promptly or fill large orders. Contracts were not being accepted. Supplies of imported material were negligible because of the tariff restrictions. Corn derivatives were not very active, but the strength in the basic commodity gave the market a steady to firm tone. Valonia beards and cups displayed the only weakness, with slight concessions recorded. Egg products were unchanged. Zinc dust held firm. A steady interest for moderate quantities was manifest in the market for bichromates. Quotations for potash and soda prussiate were about steady. Little activity developed in natural dyestuffs, with fustic and logwood making the best showing, but this was confined to moderate quantities.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Mangrove bark, non-fibrous, $1.25 per ton

Reduced

Valonia, beards, $2 per ton
cups, $2 per ton

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
138.0	**138.1**	**137.8**	**152.1**

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride. — Business was spotty for the solution and crystal material, and most consumers were making only conservative purchases. Prices were without alteration.

Antimony Salt.—Prices were without change during the past week. Trading in the market was quiet, and mostly made up of small lots.

Potash Bichromate. — Little change developed in the market last week, dealings were usually held to necessary quantities as a rule. Prices were steady to firm.

Potash Prussiate. — No change occurred in the quotations, and business was limited to nearby requirements in most instances.

Soda Bichromate.—A steady interest was manifest in the market, but most consumers were not extending themselves beyond current production needs. Quotations ruled firm.

Soda Prussiate.—Leading consumers were making only modest purchases last week. Prices were without change, and the tone of the market was about steady.

Zinc Dust.—A firm price tone prevailed during the week just closed. Business was not very broad, and a cautious purchasing policy remained in evidence.

Dyestuffs

Annatto.—The market lacked any new developments of consequence, buying was usually restricted to small quantities by usual consumers. Prices were without alteration.

Archil.—While business was above a year ago, volume was showing a decline from previous weeks. Pricewise a steady to firm tone governed the dealings.

Cochineal.—Sellers were adhering to quotations in force previously. Business showed no tangible signs of expanding, and was confined to nearby needs.

Fustic.—The textile and leather trade was exerting only modest interest during the past week. Quotations were in conformity with those previously in force.

Indigo.—No change occurred in the quotations. Major consumers were pursuing a hand-to-mouth purchasing policy throughout the week.

Logwood.—The market failed to show any improvement as far as business was concerned. No change was disclosed in the prices.

Turmeric.—A firm tone remained in evidence, although quotations were in line with those established recently. Business was only fair.

Sizing Materials

Albumen, Blood.—With imports from abroad negligible, domestic material experienced a much better demand, sellers were not able to supply spot shipments promptly, and were not accepting any contracts at present. Despite the tight position of the domestic market quotations held unchanged. Imported material was nominal.

Albumen, Egg.—Quotations for the crystal and powder material were unchanged. Consumers were exerting very little interest in the market at the recently established low levels.

Dextrin.—A steady to firm price tone characterized the dealings last week. The firmness mostly reflected the better tone in the raw commodity rather than to any unusual demand. Visible supplies of corn for the week ended May 27 amounted to 33,174,000 bushels, against 33,127,000 bushels in the preceding week and 25,460,000 bushels in the same week a year ago.

Egg Yolk.—There were no new developments of importance to report in this direction. Business was about fair, and prices were in line with those prevailing for some weeks.

Starch.—Volume of business was not broadening to any extent, and most consumers were content to order when needs became urgent. Firmness in the commodity market, reflected in a better tone for various grades of material.

Tanning Materials

Gall Nuts.—Quotations for the whole Alleppo material were firm. Demand was about fair, and spot supplies were none too plentiful.

Gambier.—The market held its previous position. The common was still scarce and quotations were nominal. Demand for Singapore cubes was a little better, while plantation moved in an irregular manner.

Mangrove Bark. — Quotations were withdrawn for the fibrous material because of the inability to obtain supplies. Price for the non-fibrous advanced to $25.25 per ton, with material still scarce.

Myrobalans.—Prices were in line with those prevailing the preceding period. Tanners were not displaying much interest in the market.

Sumac.—The leaf and ground material was steady to firm, and quotations held the same. Demand was on a hand-to-mouth basis.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Valonia.—A slightly easier tone was prevalent in this direction. The beards declined to $45 per ton, while the cups ranged from $27 to $29 per ton. Business was quiet.

Wattle Bark.—The market was without feature last week. Prices were in conformity with those prevailing previously.

Cleaning and Dyeing Setup In Brooklyn Under Probe

An investigation of the ownership setup of chain dyeing and cleaning establishments in Brooklyn has been started by New York State Industrial Commissioner F. E. Miller. The investigation is a result of a conviction and fine recently of the operator of a chain of nine stores which had heretofore evaded the workmen's compensation law by setting up so-called individual owners of each store, thus bringing the number of employees of any of the chain establishments to less than four and so making them not amenable to the compensation law. During the course of the investigation of the above case, the Labor Department investigators received information that there are several chain stores in the same line of business in Brooklyn operating in the same manner.

D.D. Bradley Made President Of Buffalo Foreign Trade Ass'n

Buffalo, May 26, 1939

Donald D. Bradley, president of the Rolls Chemical Company, has been elected president of the Buffalo Foreign Trade Association. Born in Dayton, Ohio, Mr. Bradley received his early education in Buffalo, and graduated from Hamilton College in 1928. He is a member of the Park Country Club, Delta Upsilon Fraternity, Rotary Club of Buffalo, and the Buffalo Chamber of Commerce.

Chemical Company for India

Tata Chemicals, Ltd., has been organized to manufacture heavy chemicals in India. The new company will absorb the Okha Salt Works and the Pioneer Magnesia Works, Ltd., and will produce at first certain basic heavy chemicals, such as caustic soda, soda ash, potash, ammonium salts, etc. It also contemplates future operations which will cover the entire field of heavy chemicals and fertilizers, as well as chemicals for use in pharmaceuticals and in photographic industries, according to the American trade commissioner in Calcutta.

Dye Certification Hearing Set for Early July

—Continued from page 3

British Drug Houses, Ltd., London, England.

New York Color & Chemical Company, Belleville, N. J.

Colors for externally applied drugs and cosmetics (Ext. D&C colors) have been certified by Calco Chemical Company, and National Aniline & Chemical Company.

Whether the coaltar provision of the new food, drug and cosmetic act goes into effect June 25, or is extended by Congress until January 1, food manufacturers apparently will have no worry since there are now certified large batches of seventeen colors suitable for foods including all fifteen of the food colors formerly certified under the old voluntary plan. Producers of food colors generally took advantage of the fact that the Department of Agriculture made no charge for certifying colors which were submitted prior to the date that the certification regulations were signed by the Secretary of Agriculture whereas manufacturers of colors for the cosmetic trade apparently relied on the expectation that the law would be postponed and comparatively few batches of colors for drug and cosmetic use were submitted for certification before the fee system went into effect.

West Disinfecting Company, Brooklyn, has called for redemption July 1 at 100½ and accrued interest all outstanding first mortgage sinking fund gold bonds due 1940. Payment will be made at Chase National Bank, this city.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
BICHROMATES

NIACET ALDEHYDES
ACETALDEHYDE CROTONALDEHYDE
PARALDEHYDE ACETALDOL
For the manufacture of
Resins Accelerators Dyestuffs
Plastics Antioxidants Organic Chemicals
Solvents Insecticides Flotation Agents
NIACET CHEMICALS CORPORATION P.O. BOX 460 NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
MUTUAL CHEMICAL CO. OF AMERICA NEW YORK, N.Y.
BICHROMATE OF SODA
BICHROMATE OF POTASH
OXALIC ACID
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Synthetic Resins

—Continued from page 27

Beckosol, pure alykd., P-7, dms., 1-9, frt. pd..lb. .14½- —
P-48, dms., 1-9 frt. pd...lb. .12½- —
P-94, dms., 1-9, frt. pd...lb. .15½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
Cumar, DX, dms., gross weight, works..lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
Cumar, MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 3 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ⅛, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ⅛, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald. with Pittsburgh; prices on contracts terminating June, 1939, are ¼c. per pound lower.

D

Durez, 202, dms., 30,000 lbs., works..lb. .40 - —
l.c.l., works .....lb. .41 - —
210, dms., 30,000 lbs., works.lb. .14½- —
l.c.l., works.....lb. .15 - —
220, dms., 30,000 lbs., works..lb. .15 - —
l.c.l., works.....lb. .15½- —
500, dms., 30,000 lbs., works, lb. .32 - —
l.c.l., works .....lb. .33 - —
525, dms., 30,000 lbs., works, lb. .24 - —
l.c.l., works .....lb. .26 - —
550, dms., 30,000 lbs., works, lb. .29 - —
l.c.l., works .....lb. .30 - —
570, dms., 30,000 lbs., works, lb. .44 - —
l.c.l., works.....lb. .45 - —

Durez c.l. prices also apply on mixed cars; three-month contracts are for price protection only; for Pacific Coast and Gulf points, ex warehouse, add 3c. per lb.

Durite, 1,301 pale, c.l.....lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

G

G, resin, dms., gross weight, works..lb. .07 - —

G resin prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms., lots of 10, works. lb. .15 - —
single dms., works.....lb. .17 - —
cans, works.....lb. .22 - —

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. cst., ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. cst., ex whse.....lb. .07 - —
Katalised oil, 666, dms., c.l., frt. pd..lb. .16 - —
l.c.l., frt. pd.....lb. .16½- —
667, dms., c.l., frt. pd.....lb. .11 - —
l.c.l., frt. pd.....lb. .11½- —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .13½- —
501, dms., 1-9, frt. pd.....lb. .11½- —
502, dms., 1-9, frt. pd.....lb. .11 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .07 - —
l.c.l., frt. pd.....lb. .07½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

N

Nevillac, dms., works.....lb. .17 - —

Nevillac prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Neville resin, R-1 nevindene, col. ⅛, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .13 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ⅛, dms., works. lb. .12 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col., 2½-3½ dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .13 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
Neville resin, R-16, medium, col. 2½-4 dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
Neville resin, R-28, medium soft, col. 1½-2, dms., works, lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10½- —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, "V", water-white, 100 lbs., dms., works..lb. 1.25 - —
No. 1, water-white, 100 lbs., dms., works..lb. .65 - —
No. 2, prime-white, 100 lbs., dms., works..lb. .55 - —
No. 3, very light straw, 100 lbs., dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —
No. 2, heavy, refd., dms., works..lb. .10 - —
465, 110-125°C, dms., gross weight, works..lb. .03 - —
Nevinol, dms., works.....lb. .13 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .026½- —
2, 100°-125° C., dms., gross weight, works.....lb. .026½- —

Nuba resin prices on contracts terminating June, 1939, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19½- .21½
6%, dms., same basis.....lb. .22½- .24½
8%, dms., same basis.....lb. .32½- .34
10%, dms., same basis.....lb. .38½- .39½
cobalt 3%-lead 30%, dms., same basis..lb. .20 - —
Nuodex cobalt, 1%, zinc 10%, dms., same basis..lb. .22½- —
Nuodex, copper, 4%, dms., same basis..lb. .12 - —
6%, dms., same basis.....lb. .13 - .14
11%, dms., same basis.....lb. .17 - .18
iron, 4%, dms., same basis...lb. .11 - —
6%, dms., same basis.....lb. .12 - .13
10%, dms., same basis.....lb. .17 - .18
lead, 16%, dms., same basis..lb. .09½- .11½
24%, dms., same basis.....lb. .12 - .14
32%, dms., same basis.....lb. .18 - .20
34%, dms., same basis.....lb. .17 - .18
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 3% (see Manganese).
Nuodex manganese, 4%, dms., same basis..lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .18 - .19
10%, dms., same basis.....lb. .20 - .21
manganese 3%—lead 30%, dms., same basis..lb. .17 - —
mercury, 25%, dms., same basis..lb. .55 - —
zinc 5%, dms., same basis..lb. .13 - .14
8%, dms., same basis.....lb. .13 - .15
12%, dms., same basis.....lb. .18 - .19
zinc 10%—cobalt 1% see (Cobalt).

P

Paradene, No. 1, 75-90°C, dms., gross wt., works..lb. .04 - —
2, 100-124°C, dms., gross wt., works..lb. .04 - —

Paradene prices on contract, terminating June, 1939, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Phenester, color 3½-5, dms., works..lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works.lb. .69 - —
smaller lots, works.....lb. .69 - —

R

Resinous oil, No. XI, dms., works..lb. .019 - —

S

Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1003, dms., 1-9, frt. pd....lb. .30 - —
2000, dms., 1-9, frt. pd....lb. .26 - —
2050, dms., 1-9, frt. pd....lb. .23 - —
2067, dms., 1-9, frt. pd....lb. .21 - —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

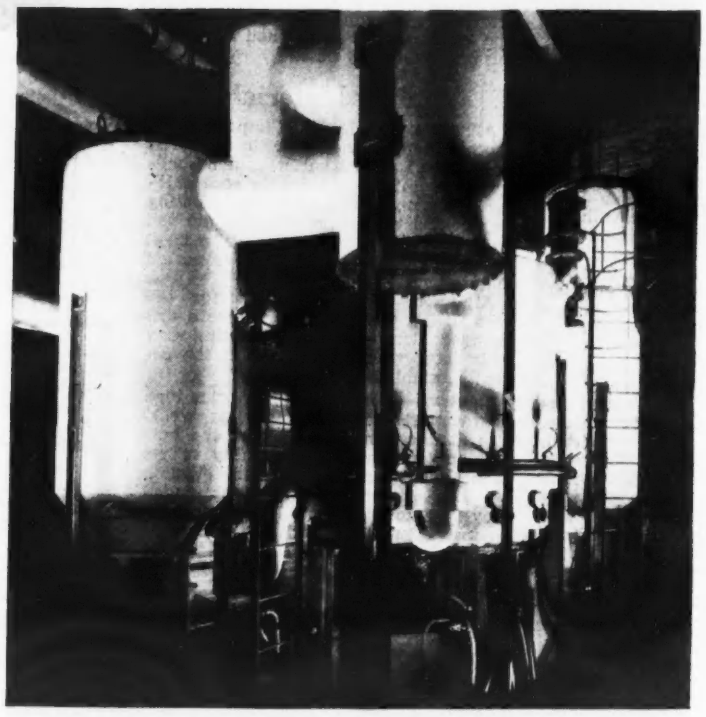
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —
BB, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.40.00 - —

V

Vinylite, AYAA, AYAF, AYAT, dms., 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb. .45 - —
smaller lots, works.....lb. .60 - —
VYHF, dms., 200 lbs., works, lb. .55 - —
smaller lots, works.....lb. .65 - —
VYHH, dms., 200 lbs., works.lb. .57 - —
smaller lots, works.....lb. .67 - —
VYLF, dms., 200 lbs., works.lb. .55 - —
smaller lots, works.....lb. .65 - —
VYRR, dms., 200 lbs., works.lb. .56 - —
smaller lots, works.....lb. .66 - —

REICHHOLD

SYNTHETIC RESINS



THE RIGHT VEHICLE FOR EVERY NEED

Paint, varnish and lacquer formulators are showing an increasing dependence on Reichhold for their synthetic needs.

Through extensive research and experimentation, Reichhold has developed a complete line of alkyd, phenolic and urea resins, processed copals, ester gums and synthetic oils. Each one of its more than 80 products is the result of elaborate tests and is an answer to a specific formulating requirement.

How well Reichhold has interpreted the needs of the industry is shown by the marked preference for RCI synthetics. This preference has enabled Reichhold to rise from the position of pioneer to that of leader in a few short years.

REICHHOLD CHEMICALS
INCORPORATED, DETROIT, MICHIGAN

WORLD'S LARGEST PRODUCERS OF SURFACE COATING SYNTHETICS

Paint, Varnish, Lacquer Materials

Sales Volume Continues Good for Most Materials—Casein Prices Advanced—English Vermilion Reduced—Rosin and Turpentine Easier—Paint, Varnish, Lacquer Sales Down

General improvement in the market for most paint materials was reported last week. Many suppliers attributed the increased interest in offerings to the warm, clear weather during the course of the period. Dry colors continued in good demand and several sellers reported increases in volume of sales. Pigments were in good demand and casein became noticeably stronger with a price advance for both the domestic and the Argentine materials. English vermilion trade was somewhat sluggish and the price was reduced for the second time in three weeks.

Turpentine and some grades of rosin had a downward trend in primary and local markets at times last week, changes in prices being moderate. Receipts showed a further increase, but daily offerings in primary centers were comparatively light. An increase was noted in sales and there was also a fairly steady movement into consuming channels on unfilled contracts.

Manufacturers of rubber tires, principal consuming channel for carbon black, reported that shipments of tires for highway transportation in April are estimated at 4,355,584 units, a 5 percent decline from March but a 38.6 percent increase over April, 1938. Production of tires totaled 4,211,152 units, a decrease of 18 percent under the March figure of 5,137,030 but 58.3 percent over the April, 1938, output of 2,659,673.

The value of paint, varnish, lacquer and fillers sold during April totaled $33,999,205 compared with a March figure of $32,888,357 and a total in April, 1938, of $34,731,597. Sales during the first four months of the year amounted to $117,453,068 compared with $110,201,588 in the corresponding period last year. Comparative figures issued by the Bureau of Census will be found on another page in this issue.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Casein, domestic, 1c. per lb.
imported, Argentine, ¼c. per lb.

Reduced

Red, English vermilion, 5c. per lb.
Rosin, gum, 5c. to 35c. per 280 lbs.
Shellac, T.N., ½c. per lb.
superfine, ½c. per lb.
Turpentine, gum, ½c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.7	131.7	131.7	130.4

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

The demand for pig lead and slab zinc was merely routine during the period under review and no changes from the previous week were seen. Both metals were slightly stronger on the London Metal Exchange, which gave a bit more firmness to the undertone of the domestic market. There was no indication of a possible price advance, however, both metals holding steadily to the figures quoted for them for the past several weeks. If the London market continues to grow stronger an increase in the price of the domestic metal may be seen in the near future.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from May 27 to June 2, inclusive, were as follows:—

	Pigs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0475@.0480	$0.0460	14 12 6
Monday	.0475@.0480	.0460	14 12 9
Tuesday	.....@.....*	.....	14 12 9
Wednesday	.0475@.0480	.0460	14 13 2
Thursday	.0475@.0480	.0460	14 12 8
Friday	.0475@.0480	.0460	14 13 1

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from May 27 to June 2, inclusive, were as follows:—

	Slabs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0490	$0.0450	14 1 3
Monday	.0490	.0450	14 1 6
Tuesday	.....*	.....	14 1 6
Wednesday	.0490	.0450	14 2 8
Thursday	.0490	.0450	14 2 8
Friday	.0490	.0450	14 3 1

* Holiday.

Pigments

Producers of materials in this group reported that last week's sales volume was satisfactory despite the holiday interlude. Zinc oxides trade continued to be one of the pace-makers. Unofficial reports indicated that May business probably exceeded April of this year and May of 1938.

White Lead.—The dry pigments were being ordered out by consumers at an unchanged rate last week, and there was a slight increase in the demand for lead-in-oil deliveries. Prices for all types of material continued firm and unchanged at the quoted levels.

Red Lead.—The quoted price for this pigment continued as it had for several weeks. Suppliers found a good interest in offerings last week and call for spot delivery held up well.

Litharge.—The market was fairly active with the car lot and l.c.l. prices firm at the quoted levels. Warm weather boosted sales volume a bit during the period under review and some producers expressed the opinion that there would be no slackening this month.

Orange Mineral.—The undertone of the market was firm and shipments into consuming channels were of fairly good volume. Because of the recent stability of the price for pig lead, the price for this material has been unchanged for several weeks.

Titanium Pigments.—Demand for these pigments continued healthy last week with the price steady and unchanged. Factors in the trade indicated that May consumption was probably greatly increased over that recorded either in April or in May last year.

Zinc Oxides.—Since the beginning of the year these pigments have been among the strongest in this division. They continued to hold a strong position during the period under review with buyers taking an active interest in offerings. The entire price schedule for American and French process oxides was unchanged last week.

Fillers and Extenders

Inert pigments, fillers and extender products continued to move into consumption at a fairly good rate last week although there was no increase in demand over the previous week. Grinders of the mineral whites reported a slackening in the calls from manufacturing buyers.

Barytes.—Domestic and imported materials both continued in unchanged positions during the period under review. There was a slightly better interest in offerings for future delivery.

Whiting.—Producers of the limestone grade continued to quote the price schedule that has been in force for the past several months. The increase in demand reported two weeks ago held firmly during the period under review but the market here was still not as active as other materials in this division.

Mica.—The market continued in routine fashion with no gains in demand registered. Both the car lot and the l.c.l. prices remained at the levels quoted for the past several months.

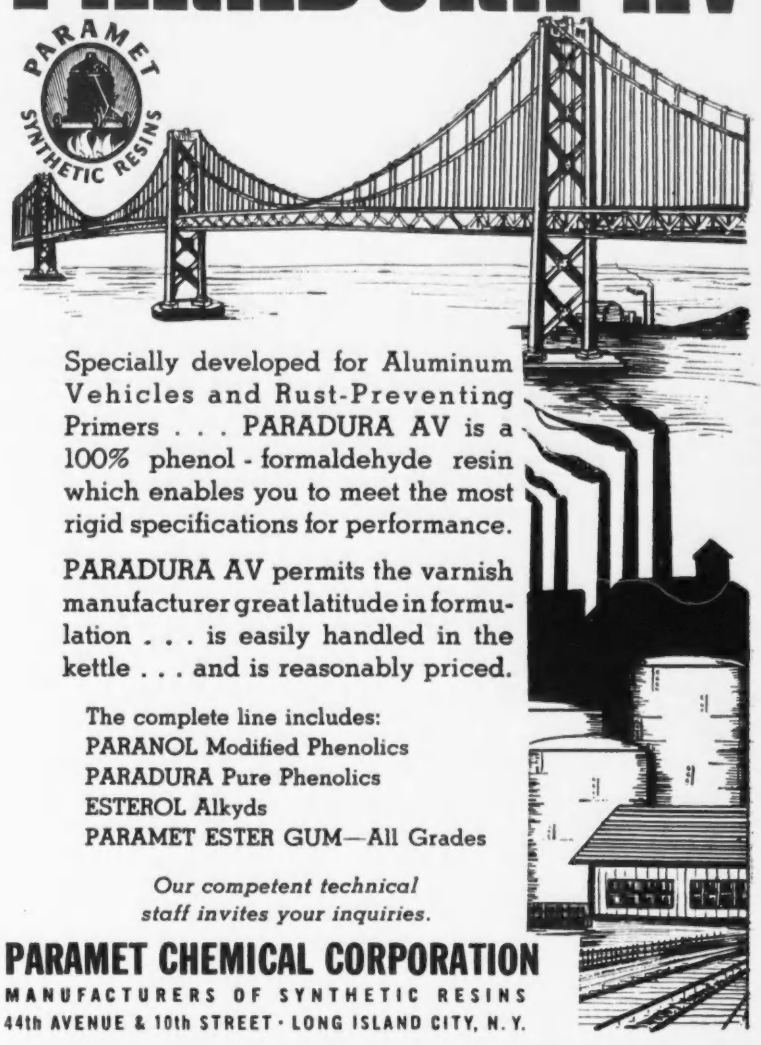
Talc.—Suppliers reported a slightly better interest in offerings and sales volume during the period under review increased a bit. The price continued firm and unchanged.

Varnish Gums

Trade in natural resins failed to gain any last week and although no price reductions were made the market was

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

PARADURA AV



Specially developed for Aluminum Vehicles and Rust-Preventing Primers . . . PARADURA AV is a 100% phenol - formaldehyde resin which enables you to meet the most rigid specifications for performance.

PARADURA AV permits the varnish manufacturer great latitude in formulation . . . is easily handled in the kettle . . . and is reasonably priced.

The complete line includes:
PARANOL Modified Phenolics
PARADURA Pure Phenolics
ESTEROL Alkyds
PARAMET ESTER GUM—All Grades

Our competent technical staff invites your inquiries.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44th AVENUE & 10th STREET · LONG ISLAND CITY, N. Y.

No after-hazing: Non-spotting!
SUPERTONE
SUPERTONE is free from after-hazing tendencies and possesses excellent non-spotting properties. It is ideally fitted for automotive lacquers and enamels and has earned a reputation for uniformity and economy!
IMPERIAL
OIL & GAS PRODUCTS CO.
LABORATORY CONTROL UNIFORM QUALITY
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For tinted exterior paints in grays and buffs you will obtain the best results with
RAYTINT
We will gladly furnish samples and information
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considered unsatisfactory by most suppliers. This marked the second week in a row that demand fell off. Up until two weeks ago producers felt a spurt in trade, but this was short-lived.

Copals.—The car lot prices for all gums in this group continued without revision last week, although some of them weakened slightly. Reports from abroad indicated there was a slackening in the gum markets there also, and this sluggishness was probably reflected in this country.

Dammars.—For the second week in a row demand fell off during the period under review. All prices, however, continued unchanged and were reported fairly firm.

Dry Colors

For the second successive week trade in chemical and earth colors continued to improve despite the break in the week caused by the holiday. No figures were available as yet in regard to the comparative business volume in May and April, but certain suppliers felt that volume last month equaled that of the preceding 30-day period.

Bone Black.—There was little change in the market for this material. Producers indicated that business was satisfactory, although the demand could not be considered heavy. Imports of this color into Cuba during 1938 totaled 628,146 kilos, valued at $110,349 in contrast with 388,533 kilos, valued at $53,744 in 1937. The United States, which was formerly the main supplier of bone black imports, was replaced by the Netherlands during 1938.

Carbon Black.—Sales last week dropped off somewhat with some suppliers attributing the decreased volume to the slowing down in the manufacture of rubber tires. The market was still in a good position, however, except for the low price. Most producers were well satisfied with the sales volume during May, with the indications that it was much better than May of 1938. Smaller tire manufacturers became very active in the market last month and shipments, although small in size, were large in number.

Chrome Yellow.—Shipments on contracts continued in good fashion during the period under review and there was a little better call for spot delivery of material. This was the second successive week that demand became more noticeable in the market. The price continued without change and on a firm basis.

Mercuric Oxides.—The red and yellow technical oxides attracted a bit more interest from buyers last week, and there was a gain in the number of shipments into consuming channels. Fluctuations in the market for quicksilver during the past several months have failed to be reflected in the market for these colors and all prices continued firm and unchanged.

Tuscan Reds.—A slight pick-up in demand strengthened the market position of these colors, especially in the call for spot delivery. Orders against contracts were also moving well and all prices continued firm and unchanged.

Vermilion.—Despite the fact that the price of quicksilver did not change last week the price of English vermilion was reduced 5c. in barrel deliveries. New quotations were $1.47 to $1.48 per pound for 500 pounds or more and $1.51 to $1.59 per pound for smaller lots. The reduction was attributed to a slackening in demand and the indications were that the new lower prices were not strong. Reports that material still could be bought at a rate lower than that quoted were unconfirmed.

Naval Stores

The tone of the Savannah market was easier last week, this apparently being due mainly to an increase in receipts. The trend of turpentine and some grades of rosin was downward at times, although changes in prices were moderate as daily offerings in the open market were rather light. Moreover, although the movement of the crop showed some increase, arrivals for the month of May were below expectations, and a tendency was noted in some cases to revise estimates of the probable production for the current season. While a curtailment in the output of 20 percent was regarded as conservative, estimates in some cases were for a decrease of 25 percent or more.

Southern and local markets for rosin and turpentine were more active last week, the expansion in business being attributed by some to the decline in prices. Daily transactions as officially reported were not very impressive, but it was stated that considerable business was closed on private terms. The movement on contracts previously placed was also reported as larger, and in some quarters there was a tendency to increase estimates of the consumption of turpentine owing to the expanding activity in residential construction in various parts of the country, the use of turpentine in painting being large in building of this kind. A fair export inquiry was reported for rosin, but actual takings were apparently not important.

According to a consular report, importations of turpentine and rosin into the United Kingdom have decreased steadily over the past three years, the 1938 imports of turpentine being 13 percent smaller than in the previous year, and the rosin imports 6 percent smaller. The United States supplies over 80 percent of the British imports of turpentine and almost 70 percent of the rosin.

Turpentine.—The market here was more active last week. Purchasing was still generally limited to comparatively small or moderate quantities, but the movement of such lots for the week showed an increase over recent preceding periods. The trend of prices was downward at times in company with primary markets.

SAVANNAH, June 2.—Turpentine was fairly active. Following is a record of the market for the work:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday...	..	...	...	...	.....
Monday.....	23¼	74	162	282	34,477
Tuesday....	23¼	231	287	558	34,206
Wednesday.	23	51	213	971	33,445
Thursday ..	23	60	217	145	33,520
Friday	23	30	207	245	33,402

* No trading.

CHICAGO, June 2.—Moderate business is reported in turpentine, with prices fairly firm. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 37c.; single drums, 35c.; single barrels, 40c.

JACKSONVILLE, June 2.—The turpentine market had a steady tone.—Following is a record of the market for the week.:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
*Saturday...	..	...	...	...	.....
Monday.....	23¼	...	320	1,560	46,315
Tuesday....	23	...	287	...	46,479
Wednesday.	23	...	258	103	45,102
Thursday ..	22¾	...	190	1	45,291
Friday	22¾	...	202	...	45,493

* No trading.

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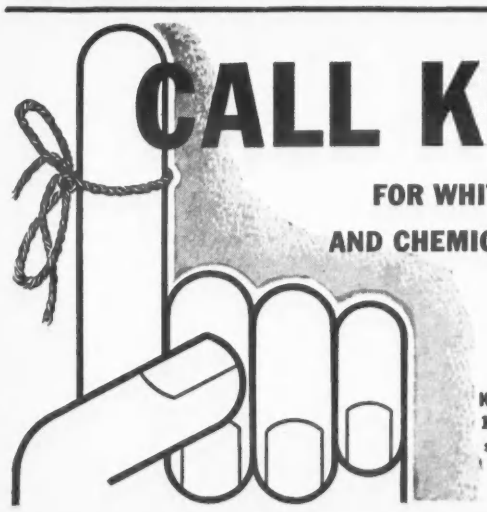

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PENSACOLA, May 27.—Turpentine was quiet. Following is a record of the market for the week:—

	Barrels		
	Receipts.	Shipments.	Stocks.
Monday	134	1	26,276
Tuesday	211	162	26,325
Wednesday	76	...	26,401
Thursday	196	484	26,113
Friday	69	82	26,100
Saturday	27	...	26,127

LONDON, June 2.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
*Saturday	..	..
*Monday	..	..
Tuesday	33	6
Wednesday	32	9
Thursday	32	9
Friday	32	9

* Holidays.

Stocks of American turpentine in London were:—

	June 2.	Previous week.	Last year.
Barrels	17,676	18,206	23,168

Rosin.—The tone of primary markets was easier owing to an increase in receipts. The trend of prices for some grades was downward, changes being moderate. Developments in the South were reflected here. Business in the local market continued along conservative lines.

SAVANNAH, June 2.—Changes in rosin quotations were moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.35	$3.35	$3.35	$3.35	$3.35
D	...	3.75	3.75	3.75	3.75	3.70
E	...	4.00	4.00	4.00	4.00	3.95
F	...	4.25	4.25	4.25	4.25	4.20
G	...	4.75	4.65	4.60	4.60	4.50
H	...	4.85	4.75	4.70	4.70	4.60
I	...	4.85	4.75	4.70	4.70	4.60
K	...	4.90	4.80	4.75	4.75	4.65
M	...	5.10	4.95	4.95	4.95	4.85
N	...	5.10	5.00	4.95	4.95	4.90
WG	...	5.85	5.75	5.70	5.70	5.60
WW	...	6.35	6.25	6.25	6.25	6.10
X	...	6.35	6.25	6.25	6.25	6.10
	Barrels					
Sales	...	335	454	351	397	519
Receipts	...	751	1,438	1,081	860	793
Shipments	...	579	2,561	566	1,256	498
Stocks:—	...	284,466	283,343	283,858	283,642	283,757

* No trading.

JACKSONVILLE, June 2.—The rosin market had a steady tone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.20	$3.20	$3.20	$3.20	$3.20
D	...	3.50	3.50	3.50	3.50	3.50
E	...	3.85	3.85	3.85	3.85	3.85
F	...	4.15	4.15	4.15	4.20	4.20
G	...	4.80	4.80	4.80	4.50	4.50
H	...	4.85	4.85	4.85	4.60	4.60
I	...	4.85	4.85	4.85	4.60	4.60
K	...	4.90	4.90	4.90	4.90	4.90
M	...	5.10	5.10	5.10	5.10	5.10
N	...	5.10	5.10	5.10	5.10	5.10
WG	...	5.85	5.85	5.85	5.85	5.85
WW	...	6.35	6.35	6.35	6.35	6.35
X	...	6.35	6.35	6.35	6.35	6.35
	Barrels					
Sales	...	...	...	...	...	...
Receipts	...	987	1,084	1,031	630	579
Shipments	...	3,060	220	1,705	302	...
Stocks:—	...	277,839	278,703	278,031	278,359	278,958

* No trading.

PENSACOLA, May 27.—Rosin was quiet and steady. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	298	464	144	185	667	88
Shipments	100	102	...	930	80	...
Stocks	63,969	64,331	64,475	63,730	64,317	64,405

CHICAGO, June 2.—With fairly optimistic views prevailing as to the general naval stores situation, the activity in rosin is reported moderately good. Ruling prices at the close of business last night were:—B grade, $6.40 per lot of 280 pounds; G grade, $7.85; M grade, $8.05; W.W. grade, $9.35.

LONDON, June 2.—Quotations on American rosin were as follows:—

	Per cwt. in barrels Common. s.	d.	W.W. s.	d.
*Saturday	..	..	..	..
*Monday	..	..	..	..
Tuesday	14	10½	19	3
Wednesday	14	10½	19	3
Thursday	14	10½	19	3
Friday	14	10½	19	3

* Holidays.

Pine Oil.—The local market continued to be featured by a steady tone, quotations for spot product being held at the levels prevailing in the previous week. There were reports of a better inquiry, though consumers were not inclined to anticipate to any important extent.

Pitch.—Business continued along the same conservative lines noted in recent preceding weeks, the movement of moderate quantities into local and other consuming channels being fair. Spot prices were generally maintained at former levels.

Rosin Oil.—Consumers were not inclined to provide to any material extent for future requirements, but there were reports of some increase in the call for moderate quantities. The market continued steady.

Tar.—No broadening of trade was reported last week, many consumers still being inclined to adhere to a conservative course in making purchases. The market remained steady.

Shellac

Prices for T. N. and superfine shellac were reduced ½c. per pound last week, making the market 9½c. to 10c. per pound for spot and Boston deliveries of T. N., and 9½c. to 10c. for superfine. The usual advances prevailed on deliveries in Chicago and on the Pacific Coast. No change in the price of bone-dry shellac was announced. Prices in Calcutta and London remained low and without signs of improvement at an early date. However, higher quotations may result if the scheme for official crop control and price establishment becomes effective. Demand for shellac on this market was quiet last week, being irregular much of the time and covering little more than the more pressing requirements of a moderate number of buyers.

Calcutta, June 2.—Shellac quotations on the landed New York basis, ex dock, net cash, were as follows:—

	Per pound June 2.	May 26.
June	9⅛c.	9⅝c.

Day-to-day quotations were as follows:—

	Per pound.
May 26	9⅝c.
*May 27	.....
*May 29	.....
†May 30	.....
May 31	9¼c.
June 1	9¼c.
June 2	9⅛c.

* No cables. † Holiday here.

London, June 2.—Prices quoted on London standard T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	June 2 Shillings. Cwt.	Cents. lb.	May 26 Shillings. Cwt.	Cents. lb.
August	36	7.85	37¼	8.12
October	37	8.06	38¼	8.34

Day-to-day closing prices were as follows:—

	Per hundredweight August.	October.
May 26	37s 3d	38s 3d
*May 27	... ..	... ..
†May 29	... ..	... ..
†May 30	... ..	... ..
May 31	36s 3d	37s 3d
June 1	36s ..	37s ..
June 2	36s ..	37s ..

* No cables. † Holiday here.

Lacquer Materials

A steady interest for moderate quantities continued to prevail in the market for lacquer materials and solvents last week. Volume failed to expand, and with the month-end and holiday intervening major consumers were not disposed to extend commitments beyond nearby production requirements. Quotations were without change, and a steady to firm price tone predominated. Statistics on production and shipments of cellulose plastic products, sheets, rods and tubes for April and the first four months, released by the Department of Commerce from reports compiled by ten manufacturers shows current figures receding from the peak month of March, however, production and shipments for the first four months were considerably ahead of the corresponding period a year ago.

Alcohol, Butyl.—Withdrawals of the secondary and normal materials were only moderate, and usually limited to nearby needs only. Prices were in conformity with those prevailing previously.

Cellulose Acetate. — Business was steady, however, volume was receding somewhat from the higher levels noted a few weeks ago. Price held firm. April production of sheets, rods and tubes totaled 508,264 pounds; shipments 522,346 pounds. For the first four months this year production aggregated 3,470,665 pounds; shipments, 3,421,721 pounds.

Nitrocellulose.—Consumers were making their appearance for necessary quantities, and volume failed to expand materially last week. Prices ruled firm. April output of sheets, rods and tubes amounted to 1,116,405 pounds; shipments 950,079 pounds. For the first four months production totaled 4,404,097; shipments 4,054,824.

Triphenyl Phosphate.—A steady to firm price tone prevailed in this direction. Shipments were usually confined to nearby production requirements.

Synthetic Resins

For the first time in a month there were reports last week of a pick-up in the market for ester gum. Trade had been stagnant since the early part of May and last week's spurt in activity was more than welcome. Prices, which are fairly low, have been holding steadily despite the poor business and the increased activity during the period under review tended to give them added firmness.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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Glues and Binders

Casein.—For the second successive week the market has shown strength. Suppliers reported there was a bit more demand last week, and that, coupled with the comparatively low inventories, gave strength to all prices which were advanced 1c. The production this Spring had been much lower than expected by men in the trade, but the lower output aided them in disposing of stocks on hand without being forced to take on additional material which would only have flooded the market. The new price schedule for 20-30 mesh domestic material after last weeks increases was as follows:—20-30 mesh, car lots, 8½c. to 9c. per pound; five tons, works, 9¾c. to 10¼c. per pound; and smaller lots, works, 11c. to 11¼c. per pound. After the advances the 80-100 mesh material was being offered at 8¾c. to 9½c. per pound in car lots, 10¼c. to 10¾c. per pound for five tons, and 11¼c. to 11¾c. per pound for smaller lots. The Argentine material was advanced ¼c. with the new quotation for 20-30 mesh material at 9¼c. to 9½c. per pound for car lots, and 80-100 mesh material at 9¾c. to 10c. per pound.

Glues.—The holiday brought a slight improvement in demand toward the end of the week in contrast to previous weeks when the demand had been about evenly divided among the days. All prices continued firm and unchanged.

Kentucky Color Engages Hait

Seldon G. Hait, sr., identified with the dry color industry for forty years, has joined the sales staff of the Kentucky Color & Chemical Company, Louisville, Ky. Mr. Hait will serve in the capacity of special representative, and have his headquarters in Philadelphia, at the company's office at 1120 Locust street. His territory will include the color grinding industry in Philadelphia and Eastern Pennsylvania, as well as central New York State. Spencer Lucas will continue to serve the clientele in the ink and paint industries from Philadelphia, south to Washington.

Standard Alcohol Company, this city, has issued a revised booklet on the properties and uses of "Petrohol," isopropyl alcohol. Copies of the booklet are available at the office of the company upon request, by mentioning the REPORTER.

Paint, Varnish, Lacquer Sales Down

The value of paint, varnish, lacquer and fillers sold in April, as reported by 680 establishments to the Bureau of Census, was $33,999,205. Details of sales reported by these establishments and comparative data for 1938 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments: Trade sales of paint, varnish, and lacquer.	Industrial sales: Total.	Industrial sales: Paint and varnish.	Industrial sales: Lacquer.	Unclassified sales reported by 100 establishments
1939.						
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,995	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,829	8,581,577	3,262,252	3,298,336
Totals (4 mos.)	$117,453,068	$62,161,055	$44,245,284	$30,580,093	$13,665,191	$11,046,729
1938.						
January to March	75,469,991	41,211,701	26,642,241	18,489,464	8,152,777	7,616,049
April	34,731,597	20,861,998	10,392,797	7,498,010	2,894,787	3,476,802
Totals (4 mos.)	$110,201,588	$62,073,699	$37,035,038	$25,987,474	$11,047,564	$11,092,851
May	36,827,421	22,900,709	10,135,607	7,292,333	2,843,274	3,791,105
June	33,936,706	20,767,900	9,763,856	7,049,096	2,714,760	3,404,950
July	27,946,084	16,368,159	8,806,128	6,384,620	2,421,508	2,771,797
August	30,182,013	17,224,845	9,894,867	6,879,994	3,014,873	3,062,301
September	31,046,584	17,431,211	10,492,087	7,139,367	3,352,720	3,123,286
October	30,007,078	16,128,067	10,985,822	7,343,960	3,641,862	2,893,189
November	26,253,314	13,183,545	10,638,281	6,950,589	3,687,692	2,431,488
December	21,281,326	9,885,307	9,293,043	6,166,468	3,126,575	2,102,976
Totals (year)	$347,682,114	$195,963,442	$117,044,729	$81,193,901	$35,850,828	$34,673,943

H. J. Hartley has been elected president and director of Certain-Teed Products Corporation, this city, succeeding C. L. Von Egloffstein, resigned.

Trade Briefs

United Zinc Smelting Corporation has suspended operations indefinitely at its plant in Moundsville, W. Va.

Printing ink imports into the Philippine Islands in 1938 were valued at 147,208 pesos, of which 138,912 pesos came from the United States.

Harold E. Webster, president of Pratt & Lambert, paint manufacturer, Buffalo, has been elected a director of the local commerce chamber.

National Paint Salesmen's Association will hold its annual convention in the Madison hotel, Atlantic City, September 29 to October 1.

William B. Wallace, manager of the Philadelphia office for the Eagle Picher Sales Company, has joined the Fifty-Year Club of the National Paint, Varnish and Lacquer Association.

W. H. Andrews, of the American Cyanamid & Chemical Corporation, won the Claude Smith memorial golf trophy of the St. Louis Paint, Varnish and Lacquer Association, at the annual outing held May 23.

NEWS OF SIX YEARS AGO IS STILL NEWS TODAY!

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Plastic Compound Made By U.S. from Sugarcane

—Continued from page 5

they are as strong as plastics now in use. In tests it has resisted bending pressures up to 9,000 pounds per square inch. They are slightly less water-resistant than plastics made by the first method, but do not warp and may be sawed, drilled and, with care, nailed. These properties suggest uses as card table tops, desk tops, and building panels.

Treating the bagasse with sodium hydroxide and furfural is the third process. In quality plastics from this method are about midway between the other two. They flow better and mold at 2,500 pounds per square inch compared with 3,500 for the second treatment. They may be put to the same uses as the plastic from the second treatment.

Either of the plastics made from the last two processes do not shatter easily. In fact, neither breaks when struck hard enough with a hammer to cause a dent. It is possible that other farm waste materials, such as cornstalks and straw from small grains, may be used in making plastics by the same processes, the chemists report. All have in common a composition of lignin and cellulose.

Japanese Paint Co. to Use Manchuria Amber Deposits

It has been reported recently that the Mukden plant of the Nippon Paints Company is now enlarging its facilities for expanding production of various paint products. In connection with development, the firm has decided to manufacture high-grade insulating varnishes prepared with a base of amber resin. In Manchuria there are large natural deposits of amber and the Japanese firm has recently completed the erection of an amber mining plant near Fushun, scheduled to begin early next spring. The total monthly capacity of the amber plant will be about 20 metric tons. The Nippons Paint Company, it is reported, will form a separate paint concern under the laws of the state of "Manchukuo" to be known as the Manchurian-Japan Paints Company, according to the office of the American commercial attache in Tokyo.

Oils, Fats, and Waxes

Chinawood Oil Higher Abroad and Here—Oiticica and Perilla Also Up—Edible Coconut Oil Advanced—Moderate Changes In Cottonseed Oil Futures—General Market Quiet

Paint oils were more active last week, transactions in some instances being reported as considerably larger than in recent preceding periods. The general list of vegetable, animal and fish oils fats and greases, however, was rather quiet, consumers still being disposed in many cases to limit their purchases to small lots for prompt shipment. Advances in prices outnumbered reductions.

Chinawood oil was a firm feature of the list of vegetable products, the trend of prices being upward abroad and here. Oiticica and perilla oils were also higher. Soybean oil was steadier, though prices lacked quotable change. Edible coconut oil was advanced by refiners. Crude corn and peanut oils were slightly easier.

Domestic trade in cash lard was fair, while the foreign inquiry was reported as lighter. Changes in cash quotations were generally moderate. Quotations on lard oil were reduced by refiners. Neatsfoot oil was irregular, some grades being higher and others lower. Stearin was firmer.

Refined fish oils were stationary. Exports of shark oil from Norway during the first quarter of 1939 were 104,640 gallons against 172,730 gallons in the same period last year; seal oil 97,440 gallons against 87,450 gallons; dogfish oil 7,500 gallons against 7,770 gallons.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, ½c. per lb.
Coconut oil, crude, coast, ¼c. per lb.
Coconut oil, edible, ¼c. to ½c. per lb.
Copra, ¼c. per lb.
Neatsfoot oil, prime, ¼c. per lb.
Neatsfoot oil, pure, ¼c. per lb.
Oiticica oil, 1c. per lb.
Perilla oil, ¼c. per lb.
Stearin, ½c. per lb.

Reduced

Corn oil, ¼c. per lb.
Lard oil, ⅛c. to ¼c. per lb.
Neatsfoot oil, cold test, ½c. per lb.
Neatsfoot oil, extra, extra No. 1, ⅛c. per lb.
Peanut oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.5	99.3	99.4	103.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The market retained a steady tone. A report from the American Consulate General at Rio de Janeiro states that the representative of an American company is now in Brazil for the purpose of developing the babassu industry in the state of Minas Geraes, and later possibly in the state of Matto Grosso. The company owns property in the municipality of San Romao, comprising about 30,000 acres and containing from 350,000 to 400,000 babassu nut palms.

Chinawood.—Domestic markets were more active and stronger last week, this being a reflection of developments abroad where the trend of prices was upward. Offerings from the primary point continued to be reported as small, and holders of spot stocks here were generally reserved. Some importers were not in a position to offer for prompt delivery. Sales were reported at around 17¾c. per pound in tankcars and in some instances higher prices were named. Reports as to the volume of business closed were more or less conflicting, but transactions for the week were said to have shown noteworthy increase over the previous period.

Coconut.—A firm tone prevailed in domestic markets for crude oil last week. Local quotations on crude oil were unchanged, but edible oil was advanced ¼c. to ½c. per pound by refiners. There was no material improvement in demand, although reports were current of a somewhat better inquiry. The Far Eastern market for copra and coconut oil continued to be reported as firm. Washington advices reported that the proposed amendment to the Philippine independence bill abolishing the duty on coconut oil imported into this country was removed from the measure by the senate.

SAN FRANCISCO, May 31.—Crude coconut oil is quoted on the basis of 3 3/16c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with trading taking place during the week for deliveries on the East Coast at a Pacific Coast parity of 3⅛c. The market is very strong. Copra quotations rule today on the basis of 2.10c. per pound. It is not regarded as likely that transactions have actually moved at this figure, but the market is very firm.

Corn.—Crude was somewhat easier early in the week, quotations being shaded ⅛c. but offerings remained light and later the tone was steadier. There was a fair inquiry. Refined oil was fairly active and steady.

Cottonseed.—No material broadening of trade in edible oil was noted but there were reports of some increase in the movement of moderate lots.

Oiticica.—The market was more active, buying interest being stimulated by developments in chinawood oil. According to some reports, transactions for the week showed a considerable increase over the previous period at an advance in prices of ½c. to 1c. per pound.

Palm.—Conditions prevailing in the local market underwent little change last week. Offerings from abroad were light. There was a fair inquiry.

Perilla.—Quotations were advanced ¼c. to ⅜c. per pound by local sellers. There were reports of a considerable increase in demand, with sales at around 9½c. per pound in tankcars for spot oil.

Soybean.—The activity and strength in other paint oils was reflected in some increase in the demand for soybean oil. The market apparently had a firmer tone, though prices were without quotable change.

Teaseed.—A somewhat better inquiry was noted for spot oil and futures. Supplies of low acid oil on spot were said to be light, and the market had a steadier tone.

Markets at Other Centers

San Francisco, May 31.—All vegetable oils are firm to stronger, with relatively light offerings in several of the items.

BABASSU.—Stronger, with 6c. per pound quoted in tankcars, f.o.b. mill, Pacific Coast.

OITICICA.—Raw, liquid oil, laboratory controlled, uniform quality, standard specification, quoted on the basis of 12½c. per pound in drums and/or tankcars, f.o.b. San Francisco for spot stocks or future shipment from Brazil. Other grades quoted at 12¼c. Solid oil quoted at 11c. per pound in drums.

COTTONSEED. — Domestic bleachable oil quoted 6⅞c. per pound in tankcars, f.o.b. Pacific Coast mills. Foreign oil not quoted.

PERILLA.—Crude oil is quoted 9c. per pound in tankcars, prompt or deferred shipment, f.o.b. San Francisco.

RAPESEED. — Refined and denatured rapeseed oil is quoted on the basis of 5⅞c. per pound in tankcars, nominally, f.o.b. Pacific Coast ports for shipment from spot stocks or from the Orient.

TEASEED. — Free acid teaseed oil is quoted on the basis of 9½c. per pound in drums or tankcars, nominally, f.o.b. San Francisco, for shipment out of the Orient. Stocks are scarce and buyers have been inquiring without result, apparently.

Chicago, June 2.—The general vegetable oil market is quiet, with prices steady to strong.

COCONUT.—Coast basis, crude, June-forward, 3c. to 3⅛c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, barrels, car lots; and 8¾c. to 9c., barrels, less than car lots.

CORN.—Crude, low acid, 5¾c. to 6c. per pound, partly nominal. Refined, edible oil, 8¾c. to 9c. per pound, barrels, car lots; and 9¼c. to 9½c., barrels, less than car lots.

PEANUT.—Crude, 5¾c. to 6c. per pound, partly nominal.

SOYBEAN.—Crude, mills, June-forward, 4⅞c. to 5c. per pound.

The market for soybeans on the Chicago Board of Trade was irregular, the tone being firmer early in the week, with a reactionary tendency later on. Trading in futures was on a fair scale. Demand for cash beans was quieter. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing June 2.	Closing May 26.
Cash, No. 2..	$0.91¾	$0.91	...	$0.96¼
July	.95⅝	.90¼	.90¼	.95⅛
October	.84⅝	.81⅛	.81⅛	.84¼

London, May 20.—Soybean oil, crude, 25s. per cwt.; rapeseed, refined, 32s.; palm kernel, refined, English, 26s. 6d.; peanut, Bombay, 21s. 9d.; sardine, Japanese, 22s.; whale, crude, Rotterdam, 16s. 3d.

Linseed Oil

Flaxseed markets had a steady or firm tone, price changes generally being moderate. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, June 2.—The flax market remains uneventful and will probably continue so until the new crop begins to cut a figure. Seed is virtually all gone and there will be no more until the 1939 crop begins to move to the terminals. The week's closing price range was as follows:—

	Cash.	July
Saturday	$1.78½	$1.70½
Monday	1.78½	1.70½
Tuesday	*	...
Wednesday	1.78	1.70
Thursday	1.79	1.81
Friday	1.81½	1.74

* Holiday.

Crop movement in bushels follows:—

	Receipts 1939.	Receipts 1938.	Shipments 1939.	Shipments 1938.
This week..	14	.....	.....	.....
Since Aug. 1...	1,361,290	1,065,001	1,394,800	1,154,812

MINNEAPOLIS, June 2.—Old crop flax supplies are straggling to market in very small car lots and there is no feature of importance in the current situation. One buyer absorbed most of the offers of the past two weeks and obtained about 15,000 bushels of seed in all. Most of the cars were of the clean-out type and contained very little flax. Demand was quiet to fair.

In all the movement was too light to be of importance and most of the crushers were indifferent in the matter of buying for local crushing. Local elevator stocks decreased 5,000 bushels in four

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
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{saponified}
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

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days. Total deliveries on May contracts for the month 184,000 bushels.

Through southern Minnesota, where seed was put in the ground early, fields show good stand and good growth. Through northern Minnesota the situation is spotted with early sown seed showing up nicely and late sown still spindly because of dry weather. Grasshoppers have moved into that territory from North Dakota. Taken as the whole the crop is in fair shape to respond to June rains and heat if the rains come.

The week's closing price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.82½	$1.70½	$1.68
Monday	1.82½	1.70½	1.68
Tuesday	*	...	...
Wednesday	1.82	1.70	1.68½
Thursday	1.83	1.71	1.69
Friday	1.85	1.73½	1.71

* Holiday.

Crop movement in bushels follows:—

	Receipts		Shipments	
	1939.	1938.	1939.	1938.
This week	12,000	65,840	2,400	1,600
Since Sept. 1	2,063,000	3,436,730	640,350	820,222

WINNIPEG, June 2.—The market for flaxseed futures continued quiet. The week's closing price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.49½	$1.51½	$1.42½
Monday	1.49½	1.51⅝	1.42⅞
Tuesday	*	...	...
Wednesday	1.50⅞	1.52¾	1.43½
Thursday	1.50⅞	1.52⅝	1.43⅝
Friday	1.50¼	1.51¾	1.43⅞

* Holiday.

BUENOS AIRES, June 2.—Opening prices per bushel on June contracts were:—

	Last week.	Last year.
Saturday	$1.17¼	...
Monday	1.17⅞	$1.05¾
Tuesday	1.17½	1.07⅜
Wednesday	1.17½	1.11¾
Thursday	1.18	1.12⅝
Friday	1.18	1.12⅝

Exports

To—	Bushels		
	Last week.	Previous week.	Last year.
United States	744,000	20,000	.....
United Kingdom	.....	4,000	4,000
Continent	461,000	232,000	528,000
Orders	114,000	354,000	.....
Others	.....	.....	260,000
Totals	1,319,000	610,000	792,000

Since January 1

To—	Bushels	
	This year.	Last year.
United States	8,145,000	5,491,000
United Kingdom	540,000	1,062,000
Continent	12,675,000	12,593,000
Orders	6,354,000	5,472,000
Others	1,799,000	1,191,000
Totals	29,513,000	25,719,000

Visible Supply

	Bushels.
Last week	5,511,000
Previous week	5,906,000
Last year	5,512,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels		
	Last week.	Previous week.	Last year.
United Kingdom	448,000	92,000	304,000
Continent	24,000	48,000	8,000
Others	.....	.....	.....
Totals	472,000	140,000	312,000

Since April 1—	Bushels	
	This year.	Last year.
United Kingdom	1,876,000	2,308,000
Continent	224,000	96,000
Others	72,000	60,000
Totals	2,172,000	2,464,000

HULL, June 2.—Quotations on flaxseed were:—

	Per ton	
	La Plata.	Bombay.
Saturday*	..	..
Monday*	...	...
Tuesday	£11¾	£13½
Wednesday	11¾	13½
Thursday	11¾	13½
Friday	11¾	13½

* Holiday.

Linseed Oil.—The local market for linseed oil was quieter last week, many consumers and dealers being disposed to hold off for further developments after placing contracts on a liberal scale in the previous week, following the announcement of a further reduction in estimates of the flaxseed crop in Argentina.

The movement of oil on contracts apparently held up well but few new orders of consequence were reported. The tone of the market remained steady, however, quotations being held at the advance noted in the previous week, with the range from 8.4c. to 8.6c. per pound in tankcars, according to seller.

The trend of the Buenos Aires seed market was upward at times, changes in prices generally being moderate. The quantity of seed in Argentina still available for export was estimated on May 28 at 21,650,000 bushels. From that date to the close of last year, the exports from that country were 28,530,000 bushels, while in the same period in the previous year the shipments were 34,120,000 bushels.

The domestic flaxseed crop received beneficial moisture in some sections last week, but reports concerning the progress of the crop were mixed.

MINNEAPOLIS, June 2.—Linseed oil stocks are well worn down and crushers are not trying to sell much of anything for nearby shipment from local supplies. However, there has been good trade for shipment from eastern mills. Buyers were more concerned over the flax crop outlook in the northwest and also were jarred out of their complacency by the reduction of 5,000,000 bushels in the Argentine estimate.

Shipping instructions on old and maturing orders are very prompt and with only 5 percent of the presses in action most of the movement is at the expense of reserves.

Quotations on tankcar lots, f.o.b. Minneapolis, 8.7c. per pound, cooperage car lots 9.3c. per pound and warehouse lots 9.7c. per pound.

Shipments of oil in pounds were as follows:—

	1939.	1938.
This week	1,320,000	1,470,389
Since Sept. 1	58,388,953	48,653,799

CHICAGO, June 2.—Indications are that purchasers of linseed oil are staying close to the conservative side rather than extend themselves. Ruling prices of representative sellers are:—Tankcar, 8.6c. per pound, tankcar; car lots, 9.2c.; less than car lots, 9.6c.

SAN FRANCISCO, May 31.—Start of the California flax harvest last week was the signal for considerable trading in linseed oil here, when a reportedly large number of tankcars were moved for delivery over the next several weeks at prices just below 8 cents. Nominal quotations are quite contradictory to the actual state of the market. They are:—Tankcars, 8.6c. per pound; drum lots ex mill, 9.1c.; drum lots ex warehouse, 9.6c.

LONDON, June 2.—Quotations on linseed oil were:—

	Per cwt.	
	s.	d.
Saturday*	..	..
Monday*	..	..
Tuesday	24	10½
Wednesday	25	0
Thursday	25	0
Friday	25	0

* Holiday.

Cake and Meal.—A steady tone prevailed in the local market, quotations being maintained at previous levels. The export inquiry for cake was somewhat more active. Domestic trade in meal remained quiet.

MINNEAPOLIS, June 2.—With presses virtually out of action for the balance of the season there is little doing in the meal market. One or two of the larger crushers have a small reserve on hand and are peddling same to regular customers who prefer linseed meal to all other concentrates. As yet there is no inquiry for deferred meal and the new season is expected to start with clean floors so crushers are not very anxious to initiate trade right now.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $38 to $38.50 per ton.

Shipments of meal in pounds were as follows:—

	1939.	1938.
This week	1,120,000	1,003,020
Since Sept. 1	76,262,225	109,386,906

CHICAGO, June 2.—A quiet market prevails in linseed meal. Ruling prices are:—Round lots, $38 per ton, largely nominal; car lots, $38 to $39; less than car lots, $40 to $41.

Cottonseed Oil

The trend of refined oil futures was downward at times, changes in prices being moderate. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—The market for refined cottonseed oil futures was quieter last week. Business was suspended on Tuesday in observance of Memorial Day, and trading on other days of the week was on a comparatively small scale. Price movements were within moderate limits, the trend being downward at times in company with outside markets. There was little disposition among traders to take the aggressive on the short side, however, although sentiment in some circles still appeared to be unfriendly to the market owing to what is regarded by many as a bearish hog and lard situation, and the low prices at which competing oils are available.

Crude oil continued quiet in Southern markets but the tone in some sections appeared to be steadier as offerings remained light. Demand for cash refined oil continued to be reported as slow. The export inquiry for lard failed to show any increase of consequence and the Liverpool market for American lard was easier at times although changes in prices were unimportant. The Hull market for cottonseed oil was steady. Offerings of foreign cottonseed oil continued light. Copra and coconut oil remained firm, edible oil being advanced by refiners. An official report put the production of cottonseed last season at 5,310,000 tons against 8,426,000 tons in the previous year.

Marketing of hogs in the West continued rather liberal in comparison with the movement at this time last season. Receipts in the principal Western centers for three days of the week were 179,300 head against 63,600 head last year. The weight of the hogs received in Chicago during the week ended May 27 averaged 255 pounds against 257 pounds in the previous week, 254 pounds in the week before that and 256 pounds in the same week last year.

Although trading in cottonseed oil futures on the New York Produce Exchange has slowed down materially in recent weeks, it is of interest to note that sales during the fiscal year ended April 30, according to an official statement, amounted to 2,749,080,000 pounds, compared with 2,496,480,000 pounds in the previous fiscal year, showing that the market is still being used extensively by both domestic and foreign interests for its hedging possibilities and the opportunity for profit from a trading standpoint.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 27 to June 2, inclusive, comprised 337 contracts, a total of 22,620,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	6.93	6.82	6.82@6.84
July	6.63	6.48	6.51@6.53
September	6.81	6.65	6.67@6.68
October	6.85	6.72	6.73@6.74
December	6.93	6.78	6.78@6.79

Crude, Southeast, .05½c. Nom.

Chicago, June 2.—The cottonseed oil market has been edging a shade higher. Inquiries are said to have been brisker. Good, off-Summer, yellow fig oil is 7c. per pound. Refined, edible oil, is 8¼c. to 8½c. per pound, barrels, car lots; and 9c. to 9¼c., barrels, less than car lots.

Hull, June 2.—Quotations on cottonseed oil were:—

	Refined. Per cwt.		Egyptian crude. Per cwt.	
	s.	d.	s.	d.
*Saturday	..	..	..	..
*Monday	..	..	..	..
Tuesday	20	6	18	0
Wednesday	20	6	18	0
Thursday	20	6	18	0
Friday	20	6	18	0

* Holidays.

Cake and Meal.—A steady tone prevailed in Southern markets for spot material. There were reports of a fairly active inquiry in some sections. Offerings were generally light.

Atlanta, May 31.—Prime crude oil is reported weaker while cottonseed meal is steady. Producers of oil in the Southeast are also processors and no great amount of oil is in the open market. The demand for manufactured products is reported fair.

Abundant rain in the Southeast has been favorable to germination but low temperature is reported holding the young plants back.

Prime crude oil is quoted at 5½c. per pound and 8 percent meal at $24.50 to $24.75 per ton, Southeastern mill points.

Memphis, June 1.—Crude cottonseed oil continued quiet during the past week. Last sales reported were at 5½c., Valley, Mississippi and Southeast. Today 5⅝c. bid for Arkansas crude. Buyers and sellers indifferent. Meal continues quiet. Stocks in mill hands in this section are light. Prime 41 percent meal $23.25 per ton, Memphis basis. Bulk slab cake $20.50 per ton for 41 percent at Valley points. Hulls $4.50 per ton. Cotton crop condition somewhat unfavorable owing to frequent rains, causing grassy fields. Labor supplies ample and no serious damage reported thus far.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 25.	June 1.
July	$23.00@23.25	$22.80@23.05
September	22.95@23.10	22.70@23.00
October	22.95@23.20	22.70@—
December	23.05@23.20	22.70@22.85

Fatty Acids

Capric Acid.—The tone continued steady, quotations being maintained at previous levels. There was a fair movement of small or moderate lots to local and other consumers.

Coconut Oil.—The market for this fatty acid appeared to have a steadier tone, but quotations underwent little change during the week. No broadening of business was reported, consumers being disposed to adhere to a conservative course in making purchases.

Cottonseed Oil.—There were reports of a somewhat better inquiry for this fatty acid, though consumers were not

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT — Woolworth Building, New York, N. Y. — FUTURE

VEGETABLE OILS
SESAME—Refined PEANUT—Refined CORN—Refined
TEASEED—Refined SOYA—Crude and Refined OLIVE OILS—Light and Heavy
SUNOLA TRADING CORP., Members N.Y. Produce Exchange
2 Broadway, N.Y.C. Bowling Green—9-5959-60-61

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MEMPHIS, TENNESSEE
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
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Codes: Yopps, Robinsons, Bentleys, A.B.C. 5th Edition, Heinrich

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inclined to purchase in advance of current needs. The tone was steady.

Myristic Acid.—Quotations were stationary, with the tone steady. There was a fair movement into consuming channels in the manufacture of soaps and cosmetics.

Stearic Acid.—There was little change in the character of business last week. A fair request was noted, but consumers were not inclined to provide to any material extent for future needs. Prices were steady.

Markets at Other Centers

Chicago, June 2.—The fatty acids market is readily holding its own and is fairly active.

FATTY ACIDS.—Corn oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅛c. to 3¼c.; boiled down soap stock, 65 percent basis, 4⅛c. to 4¼c.; cottonseed foots, 50 percent basis, 1½c. to 1⅝c.

STEARIC ACID—Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

Fish Oils

Cod.—There was no material change in the primary situation, the markets abroad being reported as firm with offerings light. There was a fair inquiry. Importations of cod oil during April were 229,951 gallons.

Menhaden.—The local situation lacked new features of interest, quotations being held by refiners at the levels prevailing in the previous week, with the tone of the market steady. There was apparently no broadening of trade. A fair inquiry was noted, but purchases were limited to comparatively small or moderate quantities to fill the current needs of consumers.

Sardine.—Quotations on refined oil were stationary and the tone of the market appeared to be steady. There were reports of a somewhat better inquiry, but purchases were apparently limited to unimportant quantities.

Markets at Other Centers

San Francisco, May 31.—Realization of the settlement of labor negotiations in the Alaska herring fields became an actuality last Friday when plant operators and fishermen's representatives, together with spokesmen of reduction plant labor agreed on a working basis for 1939 operations, with the result that work should be started soon after June 1, the legal opening date for fishing in Southeastern Alaska. The Kodiak area will undoubtedly be operative on June 15, legal opening date there, while the same will probably be true in Prince William Sound about June 7. The fishermen will get the same scale as last year, while the plant workers will get an approximate 10 percent raise, or a basis equal to the 1937 season.

So far no oil has been reported sold and the markets all up and down the Coast remain quiet.

Old season spot California oil rests nominally at 32c. per gallon in tankcars, sellers' ideas having turned slightly easier during the week on what remains in stock of the old oil here. No buyers are in the market.

Oregon and Washington labor negotiations are expected to start during this week. So far no effort has been made to bring about an agreement in those states, although the fishing can be started in late June or early July. California remains out of the picture as yet.

Baltimore, May 31.—A small quantity of menhaden oil is available from holders here at 28c. per gallon, but the past week brought out no purchaser, as far as can be learned. Further transactions on a when-and-if-made basis were also lacking, but it remains to be said that the new oil trade could not be negotiated on the basis mentioned for the old product. The fishing off the Florida and North Carolina coasts remains light, and the fish caught are not yielding any oil, so that additions of consequence to the available supplies of this product are not to be looked for. The quotations on refined oil stand at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for light bleached and 57c. to 59c. per gallon for yellow bleached stocks.

Fats and Greases

Grease.—Quotations were generally stationary during the week, with the tone of the market steady. There was a fair inquiry for moredate lots for prompt shipment.

Lard.—Local quotations for cash lard moved within moderate limits last week in the absence of wide changes in futures in the West. There was a fair demand from domestic buyers. The export inquiry was reported as quieter.

Stearin.—The market had a steadier tone, quotations being advanced ⅛c. to ¼c. by some sellers. There was a fair inquiry for moderate lots.

Tallow.—Quiet conditions prevailed in the local market much of the time last week, and no broadening of business was reported at outside points. Here, the offerings continued to be reported as light and the prevailing tone was steady, the last business reported being at 5⅜c. for extra delivered.

There was no trading in tallow futures on the New York Produce Exchange from May 27 to June 2, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
July	...	...	5.30@5.45
October	...	...	5.45@5.60

Markets at Other Centers

Chicago, June 2.—The cash lard market has been showing up fairly well as to the price situation here, and in comparison with a year earlier the showing is steadily making improvement. Shipping trade has been of moderate proportions.

The range of lard quotations from the opening Saturday, May 27, to the close Friday, June 2, is shown in the following table:—

	Per 100 pounds				
	Open	High.	Low.	Close.	Previous Friday.
Cash	$6.55	$6.55	$6.45	$6.30	$6.55
July	6.50	6.50	6.47	6.37	6.57
October	6.75	6.75	6.65	6.50	6.70

TALLOWS (tierces).—Edible, 5½c. to 5⅝c. per pound; prime, 5⅜c. to 5½c.; fancy, 5⅜c. to 5½c.; special, 5⅛c. to 5¼c.

GREASES (tierces).—Choice white, 5⅛c. to 5¼c. per pound; A white, 5⅞c. to 6c.; B white, 4¾c. to 4⅞c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4½c. to 4⅝c.; brown, 4⅛c. to 4⅜c.

STEARINS (barrels).—Prime oleo, 5⅝c. to 5¾c. per pound; lard, packages, 6⅞c. to 7c.; white grease, 5⅜c. to 5½c.; yellow grease, 5c. to 5¼c.; oleo stocks, 5c. to 5¼c.; No. 2 stocks, 7c. to 7¼c.

Liverpool, June 2.—Quotations per cwt. on refined American lard were as follows:—

	Spot.	May.	July.	Sept.
	s. d.	s. d.	s. d.	s. d.
*Saturday	.. ..	.. ..	.. ..	.. ..
*Monday	.. ..	.. ..	.. ..	.. ..
Tuesday	36 9	35 9	36 3	36 9
Wednesday	36 0	.. ..	36 3	36 9
Thursday	35 9	.. ..	35 9	36 6
Friday	35 3	.. ..	35 6	36 0

* Holidays.

Liverpool, June 2.—Quotations per cwt. on tallow were as follows:—

	Choice.	Fine, good mixed.
	s. d.	s. d.
*Saturday	.. ..	.. ..
*Monday	.. ..	.. ..
Tuesday	17 9	16 9
Wednesday	17 9	16 9
Thursday	17 9	16 9
Friday	17 9	16 9

* Holidays.

Animal Oils

Lard.—Quotations were generally ⅛c. to ¼c. per pound lower, with the tone of the market steady at the reduced levels. There was no snap to business, but a somewhat better inquiry was noted for small or moderate lots.

Neatsfoot.—Prices were ½c. lower to ¼c. higher, with the tone steady. There was a fair inquiry for small or moderate quantities to fill the current needs of consumers.

Oleo.—Business continued along the same conservative lines noted in recent preceding weeks, but the inquiry for moderate quantities was reported as somewhat more active. The market was steady.

Markets at Other Centers

Chicago, June 2.—Firmness is reported in most of the animal oils here. Trade has been light.

LARD.—No. 1, 8¼c. to 8½c. per pound.

OLEO.—No. 2, 7¼c. to 7½c. per pound.

TALLOW.—Acidless, 7¼c. to 7½c. per pound, tanks; and 8¼c. to 8½c., barrels.

Waxes

Bayberry. — Firm prices contrasted with the lack of more than moderate consuming demand. The firmness of values traced directly to two causes:—First, replacement cost, and second, absence of substantial reserve stocks in the hands of dealers.

Bees.—All prices displayed a firm quality that was in keeping with the very fair, if not actually expanding, demand from manufacturing consumers. Furthermore, the fact that primary market prices covering crude wax showed considerable strength was reason enough for the well maintained values on the spot. Importations of crude wax by countries of origin were as follows:—

	Pounds.
Portugal	49,236
Mexico	6,707
Cuba	64,430
Dominican Republic	44,909
Brazil	50,819
Other French Africa	11,050
Other Portuguese Africa	134,564
Totals	361,715

Candelilla.—Prices in Mexico were strongly maintained and those on spot should be higher, according to the trade, if the position at the source was to be fully reflected. However, merchandise continued to go into consumption at prices unchanged from those in the previous trading period.

Carnauba.—Prices were strong here and in Brazil. Demand continued lively and productive of an excellent volume of trade. The tendency continued to be upward, a fact that was emphasized by the presence on spot of a substantial short interest. An assault which the foremost wax interests on spot declared to be vicious—an assault in the form of alleged adulteration of a certain grade—has been carried to the consuming trade by one interest. The largest and most reliable importers in this market declared that the grade in question is free from adulteration. April importations totaled 1,124,083 pounds.

Japan.—Quotations were steady to firm and lower than replacement cost would justify. However, demand merely simmered on spot and sellers were unable to bring values to the warranted level.

Bids Wanted

Acetylene:—26,000 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 469, opening June 26.
225,000 cubic yards for fiscal year 1940; Commanding Officer, Rock Island Arsenal, Ill.; procurement 772, opening June 7.
30,000 cubic feet for fiscal year 1940; Purchasing and Contracting Officer, Q. M. Corps, Fort Benning, Ga.; procurement 148-151, opening June 13.

Ammonia, Liq. Anhydrous:—15,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 770, opening June 7.

Sulphate:—50,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 763, opening June 8.

Antifreeze Solution:—67,500 gallons, various deliveries; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 6041, opening June 13.

Antimony:—2,050 pounds, for Philadelphia, Washington and Puget Sound; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6434, opening June 20.

Asphalt, Emulsified:—160,000 pounds; State Procurement Office, Treasury Department, Chicago, Ill.; procurement 41528, opening June 7.

Carbon Dioxide:—2,000 pounds of gas for fiscal year 1940; Supply Office, Navy Yard, Philadelphia, Pa.; requirement 41 NSA, opening June 12.

Chlorine:—20,000 pounds of gas for fiscal year 1940; Supply Office, Navy Yard, Philadelphia, Pa.; requirement 42 NSA, opening June 13.

Ferrosilicon:—62,000 pounds, for Eastern yards; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6441, opening June 20.
2,000 pounds, for Puget Sound; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6441, opening June 20.

Gasoline, Aviation:—2,500 gallons; U. S. Property & Disbursing Office for Illinois, National Guard Bureau, Camp Grant, Rockford, Ill.; procurement 29-10, opening June 20.

Lime, Hydrated:—75,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 773, opening June 7.

Naphtha, Petroleum:—40,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 774, opening June 7.

Oil, Fuel:—45,000 gallons, bunker C; U. S. Engineer Office, Park Square Bldg., Boston, Mass.; procurement 129, opening June 8.

Oxygen:—44,000 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 469, opening June 26.
375,000 cubic feet for fiscal year 1940; Commanding Officer, Rock Island Arsenal, Ill.; procurement 771, opening June 7.
50,000 cubic feet for fiscal year 1940; Purchasing and Contracting Officer, Q. M. Corps, Fort Benning, Ga.; procurement 148-151, opening June 13.

Paint, Iron Hydroxide:—3,000 pounds; Commanding Officer, Frankfort Arsenal, Pa.; procurement 1239, opening June 7.

Paraffin, Chlorinated:—50,000 to 80,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 468, opening June 14.

Salt, Table:—185,000 pounds, various deliveries; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 6463, opening June 20.

Soap:—30,000 pounds, fresh water laundry; Superintendent of Lighthouses, Staten Island, N. Y.; procurement 59779, opening June 7.

Grit:—6,250 pounds; Chief, Purchase Division, Bureau of Supply, Treasury Department, Procurement Division, Washington, D. C.; procurement 5996-S, opening June 7.

Sodium Sulphite, Anhyd.:—252 tins for Perry Point; Procurement Division, Veterans Administration, Washington, D. C.; procurement 897, opening June 9.

Turpentine:—7,000 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; procurement 1129, opening June 15.

Henry Hentz & Co., stock and commodity broker, this city, has taken over the business of A. R. Frank & Co., Chicago, members of the New York Stock Exchange and the Chicago Board of Trade.

Vegetable Oils Freights In Southwest Studied

The Southwestern railroads are considering two requests initiated by interested skippers for authority to stop carloads of linseed, soybean and other vegetable oils, destined to Arkansas, Oklahoma, Louisiana, and Texas destinations, for partial unloading—at the through rates, according to E. A. Leveille, chairman of the traffic committee of the National Paint,, Varnish and Lacquer Association.

This, Mr. Leveille said, contemplates charging only the carload rate to the ultimate destination on the gross weight of the car at point of origin, plus $6.93 each stop, for the privilege of stopping car en route for partial unloading.

Mr. Leveille explained that if shipper at St. Louis has four orders for 10,000 pounds each, for customers in Little Rock, Texarkana, Dallas, and Fort Worth, at the present time, he said, these are necessarily shipped as less carload lots at the prevailing third class rates, and charges computed at rates of $1.08, $1.32, $1.60, and $1.60 respectively ...an aggregate of $560.00. But if shipped as a carload of 40,000 pounds, he said, at the carload rate to Fort Worth, (57c.), the charge is $228.00 plus $20.79 for three intermediate stops at $6.93 each. In other words, Mr. Leveille said, the setup would be the following:—

Less Carloads

Little Rock	10,000	$1.08	$108.00
Texarkana	10,000	1.32	132.00
Dallas	10,000	1.60	160.00
Fort Worth	10,000	1.60	160.00
Totals	40,000		$560.00

As A Carload

40,000	$0.57	$228.00
3 Stops	6.93	20.79
Total		$248.79
Saving		$311.21

In support of this proposal, Mr. Leveille said that it is urged that a number of vegetable oils used as ingredients in the manufacture of paint are not purchased in carload volume, and the suggested privilege of stopping for partial unloading permits the assembling of small orders into solid cars, which are more economically handled by rail, and the charges so much lower than either the less-carload rate or the rates available by motor carrier, that this would afford an economical and attractive method of distribution by rail.

The carriers are endeavoring, Mr. Leveille explained, to assemble the views of shippers—and Industries interested in the distribution and consumption of vegetable oils, should improve the opportunity to express their views to the lines they patronize, as well as to the National Paint, Varnish and Lacquer Association.

Coconut Oil Tax Repeal Voted Down in Senate

—Continued from page 5

coconut oil free from United States import duty. During the calendar year of 1940, this quota will be 200,000 long tons and the quota is to be reduced by five per cent during each subsequent calendar year. Shipments in excess of the quota will be subject to duty. The original independence act provides that coconut oil be subjected to a Philippine export tax starting at five per cent of the United States duty and increasing by an additional five per cent annually to 25 per cent of U. S. duty in 1946. The quota arrangement was declared to be a more practical method of adjusting Philippine producers to independence. Similar quotas were established for cigars, filler tobacco, and pearl buttons, but the export tax applies to other commodities.

Another provision removes the restriction on the use by the Philippine government of money paid by the Treasury of the United States collected from the processing tax on Philippine coconut oil. It repeals the provision that the Treasury is to cease turning over such payments to the Philippines if the Commonwealth government should provide any subsidy to producers of copra, coconut oil, or allied products.

New Jersey Oil Trades Association will hold its annual golf tournament at the Suburban Golf Club, Union, N. J., June 6.

Toledo Soybean Products Company, Toledo, Ohio, plans to step up its annual production capacity to 950,000 bushels, according to A. A. Bame, president of the company.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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CHEMICALS
WHICH SERVES MANKIND

Drugs, Fine Chemicals

Highest Temperatures for the Season Brings Rise in Demand for Citric and Tartaric Acids — Quicksilver Dull —Alcohol Firm—Iodine Sales Improve

So far as prices were concerned, developments in the market for drugs and fine chemicals were lacking last week. All divisions of the market displayed substantial price stability and spots where unsettlement prevailed were few indeed.

Demand was along seasonal lines and such merchandise moved in very good volume. Buyers covered their needs reasonably well ahead notwithstanding they were certain to find ample reserves whenever they may approach the producers.

Alcohol and solvents generally were believed to be in a more than normally steady position for this time of the year. Of interest to buyers was the opportunity to ruminate on what may be the alcohol prices beginning July 1.

Glycerin ruled firm to steady in all respects. Aloin, in strong position, was no better than the situation in raw material. Iodides moved along seasonal lines and an excellent sale of tincture of iodide was a sign that the vacation period spreads ahead. Photographic fine chemicals were also on the upward trend as to demand, a seasonal expectation.

Hot weather that, in the East, set a new top mark for the season thus far, caused an expansion in the call for the beverage acidifiers—citric acid, tartaric acid, and phosphoric acid.

Acid, Acetylsalicylic.—Trade in this article was typical with that in the late Spring period in most years. Most distributors appeared to have prepared well for the Summer call and for the moment a lull in the movement was noted last week. Prices remained generally firm.

Acid, Citric.—The hottest weather thus far this Spring hit the East Coast last week and resulted in a swelling of demand for this acidifier. Trade was brisk and was done at prices the lowest in the recorded history of the item. Demand from other parts of the country was also very good.

Acid, Lactic.—The movement of U.S.P. goods into consumption was steady at all times and general undertone in the spot market continued to hold prices fully stabilized and free from price shading tendencies.

Acid, Pyrogallic.—Seasonal expansion in the call for this article has begun and the market was considerably more active last week than it had been recently. Prices were generally steady.

Acid, Tartaric.—Hot weather raised the call for this article as consumed by the beverage trade. Heat records for the year thus far were topped and caused a broadening in consumption of beverages. Prices were firm.

Agar.—Prices failed to advance further, but they were strong at the recent rise and gave promise of maintaining their present positions because of the well controlled situation in Japan.

Alcohol.—Business continued to be along lines about normal for the current season of the year. Industrial users took contract tenders with fair promptness and there was also a reasonably good call from those not protected by contract arrangement. In the main, the market had a steady undertone and was expected so to remain between now and the announcement of prices beyond June 30—which announcement should come in the not far distant future.

Aloin.—The strength in Curacao aloe was pronounced and forecast maintenance of the current schedule on aloin for some time to come. Demand during the past week also aided in support of the prevailing schedule.

Antipyrene.—Seasonal movement was very good and the market maintained a firm position with competition being negligible and business going through at full prices.

Bismuth Metal and Salts. — Salts moved steadily and in volume about normal for the season. Buyers covered their requirements fairly well ahead and seemed well protected. Production cost was well stabilized and hence prices on salts were firm.

Borax.—Renewal of contracts will be undertaken shortly, but the leading factors in this article have given no intimation of any change in the present schedule of prices. Contracts have been fairly well worked out and an active renewal season was looked for.

Cadmium.—Plating requirements accounted for a fair movement, but there seemed to be some tendency toward slowing down of such activities now that the probable requirements of the automotive trade have been closely estimated.

Caffeine.—Business was routine in character, but volume made a good showing and values were definitely on the steady side at all times. This applied specifically to alkaloid. Of course, citrated caffeine and caffeine hydrobromide were seasonally dull.

Castor Oil.—Movement was maintained and the outlook for continued consumption along fairly favorable lines was reasonably good. Quotations were maintained steadily.

CHICAGO, June 1.—Castor oil has been in fair demand here, but the business has not been sufficiently active to develop outstanding features. Routine orders characterizes business. Ruling prices are:—No. 1, barrels, car lots, 9½c. per pound; barrels, less than car lots, 10¼c.; drums, car lots, 8⅞c.; drums, less than car lots, 10c.; tanks, 8⅜c.; No. 3, barrels car lots, 8⅝c.; barrels, less than car lots 9¾c.; returnable drums, car lots, 8⅜c.; drums, less than car lots, 9½c.; tanks, 7⅞c.

Cocoa Butter.—It was still a buyers market in which supply ran far ahead of demand. Open quotations lacked change but it seemed probable that a firm order in hand might be placed to the advantage of the buyer.

Codliver Oil.—Production has run to high totals in European waters and the large output was offered on a market definitely easy so far as prices were concerned. The downward trend of values has tended to hold numerous buyers aloof from placing large contracts. Spot quotations were easy but unchanged. Exports of various kinds of Norwegian codliver oils to the world during the first quarter of 1939 and 1938 were as follows:—

	Gallons	
	1938.	1937
Medicinal, steamed	782,790	431,790
raw	22,920	66,720
Pale	267,990	242,760
Industrial, light brown	848,670	691,650
brown	17,610	10,710
mixed	26,010	6,390
Stearine (bbls.)	1,142	176
Grease (bbls.)	128	.....

The imports of medicinal oils into the United States in the first quarter totaled 286,058 gallons in 1939, and 83,969 in 1938; poultry grade, 1939, 179,923 gallons; 1938, 215,949 gallons; industrial oil, 1939, 402,931 gallons; 1938, 278,040 gallons. Imports of codliver oil into the United States in April, broken down by countries of origin, were as follows:—

	Gallons.
Denmark	17,466
Iceland	75,994
Norway	66,290
United Kingdom	64,310
Canada	888
Newfoundland and Labrador	26,810
Japan	2,627
Total	254,385

Glycerin.—Conditions changed little. Undertones were generally firm and prices were fully supported. Crude was well held and bids were not often accepted since the producers expect to find a ready market for their output in the weeks directly ahead. Demand for

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
183.0	183.0	183.4	181.4

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7

Industrial and Pharmaceutical Chemicals

QUININE

Sulphate and Minor Salts

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Guaiacol Carbonate
Potassium Guaiacol Sulfonate
Bromides • Silver Proteins

HEYDEN

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NEW YORK — 50 Union Square

refined glycerin held up well and kept quotations fully maintained.

CHICAGO, June 1.—Few elements in the c.p. glycerin market situation have changed in the last few weeks. Demand continues to be expressed by a fairly steady and stable flow of orders. Other grades of glycerin are giving a fairly good account of themselves also. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12½c.

Iodine and Iodides.—Seasonal gains in sales of tincture of iodine were reported and business throughout the past week was generally active. Iodides moved very well generally and prices were fully as stable as those for crude material.

Magnesia.—Prices have continued in well stabilized position for some time past. No signs of an early change were noted last week, and in view of the steady call undertones seemed to be on the firm side. Still, there was room for an expanded volume of demand.

Menthol.—A slow and lethargic market was reported, but prices were not affected. They seemed to be maintained here in line with those in Japan and demand was not sufficient to bring out into the open such latent tendency toward competition as may have existed.

Methanol.—Fair activity along lines normal in the market during this time of year was reported and prices throughout the entire group appeared to be definitely steady. Reports from Poland indicate advances in the activity in the wood distillation industry of that country.

Quicksilver. — The spot held unchanged, seemed steady, but lacked the pressure of demand to turn prices either up or down. It was an in-between-time period during which leading consumers of metal appeared to have their needs well covered.

SAN FRANCISCO, May 29.—Sellers here say they confirmed business in the New York market last week in a moderate way at figures which were reportedly in the neighborhood of $85 to $86 per flask. No large-lot buyers are in the market, apparently, and this possibly explains the reason why foreign metal has evidently not been causing much buying interest; foreign suppliers are understood able to offer in large lots only. Taken as a whole, the market is quiet and while metal has been sold ahead of production here, nevertheless, sellers would like to improve their position now that contracts are being filled up. Locally, metal is on the market at approximately $83 per flask. San Francisco.

Quinine.—Sales in the leading consuming areas at this time of year were reported steady and in very good volume. The market was firm and well stabilized as to price, as well as being well backed so far as reserve stocks in the hands of suppliers was concerned.

Rochelle Salt.—Some reported a considerably broader sale of the article. Demand gained moderately and buyers found values firmly established in relation to the present cost of production.

	Per ounce		
		Bullion	
	Nitrate.	New York.	London.
	Cents.	Cents.	Pence.
Saturday	31½	42⅜	19 5/16
Monday	31½	42¾	..*
Tuesday	..*	..*	20
Wednesday	31½	42¾	19 15/16
Thursday	31½	42¾	19 15/16
Friday	31½	42¾	20

* Holiday.

'Alky-Gas' Legislation Described as Premature

—Continued from page 4

there would be continuing interest in the subject of "alky-gas." He disclosed that the research laboratory now being built by the Department of Agriculture at Peoria, Illinois, will include a small pilot plant to produce alcohol from farm products with a capacity of about 100 gallons a day operating on a single shift, and he recommended that more research be conducted before any legislation is enacted on the subject. He pointed out that the prices of agricultural products fluctuate whereas the price of gasoline is relatively stable and that a considerable use of fuel alcohol might result in raising the prices of materials so high that the price of alcohol would become prohibitive for fuel use.

Du Pont Kearny Plant Destroyed by Fire

Kearney, May 24, 1939

A mixing building in the plastics branch of the E. I. duPont de Nemours Company's plant in this city was totally destroyed by two explosions followed by fire. Five men were burned and twenty-five others suffered from inhaling pyroxylin fumes when the blasts blew the roof off and caused the walls to buckle. The cause of the explosion and the amount of damage could not be determined.

Consumer Purchases Survey Made by Government Bureau

The United States Bureau of Labor Statistics has published a bulletin entitled "Study of Consumer Purchases." This is the first bulletin in a series presenting the results of an investigation conducted by the bureau in thirty-two cities varying in size, and representing different sections of the country. This survey was paralleled by a study of small city, village and farm families conducted by the Bureau of Home Economics. Copies are available while the supply lasts.

Insecticides Usage Described By General Chemical Company

What insecticides are, and how they are employed is the information presented in a booklet entitled "A Working Knowledge of Insecticides and Fungicides just published by the General Chemical Company, this city, manufacturer of Orchard brand spray and dust materials. Prominent in the work are detailed programs for treating all of the common fruits and vegetables with insecticidal materials during all stages of their developments. Numerous illustrations of the various pests and the damage they do also appear. A copy of the booklet may be secured by addressing the company at 40 Rector Street, this city, mentioning the REPORTER.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7

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T.S. Strong 25 Years With Strong Cobb & Co.

A testimonial dinner was given June 1 in honor of T. S. Strong, president of Strong Cobb & Co., pharmaceutical manufacturer, marking the occasion of the twenty-fifth anniversary of joining the company. More than 100 employees attended the dinner, held in the Masonic Temple. The guest of honor was presented with a watch from the company, the presentation having been made by Mrs. Ruth S. Strong, chairman of the directorate.

H. A. Straite, vice-president of the company, was the principal speaker. Mr. Straite also acted as toastmaster. Letters and telegrams from Mr. Strong's many friends in the industry were read by S. S. McMillan, treasurer of the company. A gift from the employees was presented by a committee of old employees.

Mr. Strong started with the company as a salesman detailing the retail drug stores for the old warehouse division of the company, and has worked in many different capacities for the company previous to elevation to the presidency in 1928.

Schwab Made President Of Milwaukee Paint Club

The Milwaukee Paint, Varnish and Lacquer Association, at its annual meeting May 25, elected to its presidency Emil Schwab, of the Frank Dau Paint Company. He succeeds W. M. Linnell, of the Pittsburgh Plate Glass Company. R. L. Ferguson, of the Ricketson Mineral Color Works, was named vice-president, and Frank Cooper was elected secretary-treasurer. Present plans call for the holding of the annual sports outing in July.

Oil, Olive:—The surtax on the export tax on olive oil in Tunisia has been increased.

Synthetic Resins Output and Sales: 1938

United States production and sales of certain synthetic resins in 1938, as reported by the Tariff Commission, follow:—

Of Coaltar Origin

	Production, Pounds.	Sales—Pounds.	Sales—Value.	Unit value.
Alkyd resins—				
Maleic anhydride	3,432,887	2,978,718	$634,935	$0.21
Phthalic anhydride	37,563,840	21,931,783	4,467,466	.20
Derived from tar acids—				
Cresols or cresylic acid	5,284,895	3,882,988	561,432	.14
Phenol—For molding	13,487,681	12,787,051	2,189,600	.17
For casting	4,807,671	4,651,991	1,896,425	.41
Other	17,658,391	17,484,415	2,939,971	.17
Xylenols	329,927	.....	.....	...
Xylenols and cresols	2,396,275	.....	.....	...
Totals	106,923,244	84,763,503	$15,810,538	$0.19
(B) Non-coaltar, totals	23,435,408	17,064,685	7,061,436	.41
Urea	8,249,909	7,467,782	3,312,678	.44

Old Dutch Mustard Moving

The Old Dutch Mustard Company is moving from its present location, 395-405 Cherry street, this city, to larger quarters in 60 to 90 Metropolitan avenue, Brooklyn. This move marks the third time that the Old Dutch organization has outgrown its location.

H. I. Carson has been made secretary-treasurer of the Greene Cananea Copper Company.

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Serums Probe Asked By Antivivisectionists

A probe into the "manufacture of so-called medical serums" has been requested of the Temporary National Economic Committee by the International Conference for the Investigation of Vivisection, this city. The antivivisectionists would have the committee ascertain "the connection, if any, between this manufacture and powerful financial interests and the means by which useless serum treatments are exploited before the public."

By resolution in its recent annual meeting the conference also called upon news agencies to discontinue sending out "news reports of alleged new drugs for the treatment of diseases," and objected to "monopoly of news channels" by one division of the healing profession.

R.&H. Chemicals Tabulates Data On 'Artic' Thermodynamics

The thermodynamic properties of methyl chloride are discussed in the May issue of *Artic Service News*, trade organ for the refrigeration industry published by the R. & H. chemicals department of E. I. du Pont de Nemours & Co., Wilmington, Del. Included in the text are complete tabulations of the properties of saturated methyl chloride vapor, and the properties of the superheated vapor. Copies of the leaflet may be obtained from the du Pont company, mentioning the REPORTER.

Pharmaceuticals Wanted

The Bureau of Foreign and Domestic Commerce has been advised that the Independent State of Hatay, previously called the State of Sanjak d'Alexandrette, is desirous of contacting American exporters of pharmaceutical products. No details are available as to what types of pharmaceutical specialties are desired. Correspondence in connection with the matter may be directed to State Chamber of Commerce, Antioch (Syria).

A visitor from Venezuela is interested in contacting manufacturers of medicinals and pharmaceuticals. Information on this is available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms by referring to foreign visitor No. 655. A visitor from Mexico, foreign visitor No. 645, desires to contact manufacturers of pharmaceuticals and cosmetics.

Pepsi-Cola Suit Removed To Federal Court in Delaware

Wilmington, May 29, 1939

Chancellor W. W. Harrington has granted petitions of the defendants to remove to the Federal court here actions of the Pepsi-Cola Company, a subsidiary of Loft, Inc., against C. G. Guth, of Baltimore; C. G. Guth, jr., of Jamaica, L. I., and C. G. Guth, sr., and William H. Hoodless, Philadelphia. Petitions for removal held the actions to be a controversy wholly between citizens of different states. The suits asked that the defendants be restrained from interfering with the ownership by the complainant of 43,000 shares of Pepsi-Cola stock.

BIMS of Boston to Hold Initial Outing June 22

The BIMS of Boston will hold its first party June 22 at the Commonwealth Country Club, Newtown, Mass., June 22. The party will include a golf tournament and dinner. Arrangements for the initial party of the BIMS, which is a social organization of buyers, importers, manufacturers and salesmen, and an affiliate of the BIMS of New York, are in charge of Robert C. Kelly, manufacturers' agent, 80 Boylston street, Boston.

Endo Trademark Upheld

The injunction granted Endo Products, Inc., this city, against the Italian Drug Importing Company for alleged infringement of the Endo trademark has been sustained by the New York Court of Appeals. The injunction restrains the Italian Drug company from using the following names:—'Endo-Cerebrina,' 'Endo-Epatina,' 'Endo-Follicolina,' 'Endo-Ipofisina,' 'Endo-Ovarina,' 'Endo-Spermina,' 'Endo-Splenina,' 'Endo-Tiroidina.'

McK. & R. Issues Illustrated Brochure on Its Laboratories

McKesson & Robbins, Inc., wholesale druggist and manufacturer, this city, has issued a forty-eight-page illustrated brochure entitled "The McKesson Laboratories—a Camera Tour." The publication contains a graphic description of the scientific control which the company exercises over the production of its drug products, shows the modern methods used in their manufacture. Copies of the brochure are being distributed by the McKesson wholesale drug houses.

Narcotic Bill Introduced

OPD Washington Bureau May 29, 1939

A bill (H. R. 6556), making it illegal to transport any contraband narcotic or marihuana not bearing appropriate revenue stamps by means of any vessel, vehicle, or aircraft, has been introduced by Representative Robert M. Doughton of North Carolina.

Contracts Awarded

Acetone:—5,000 pounds; awarded to the Shell Chemical Company, San Francisco, Cal., by the Panama Canal at $367.50. Schedule 3464, opened May 25.

Acetylene:—150,000 cubic feet; awarded to the New England Gas Products Company by the Lighthouse Service at $19.50 per M cubic feet. Procurement 3633, opened March 28.

Asphalt Cement:—60,000 pounds; awarded to the Flintkote Company, Los Angeles, by the Panama Canal at $663. Schedule 3464, opened May 25.

Brown, Metallic:—5,000 pounds; awarded to the Industrial Paint Company, Haysville, Pa., by the Panama Canal at $235. Schedule 3464, opened May 25.

Oil, Fuel:—20,000 gallons; awarded to the Socony-Vacuum Oil Company, Kansas City, Mo., by the Lighthouse Service at $1,640. Procurement 812, opened April 1.

Linseed, Raw:—38,750 pounds; awarded to the Conray Products Company, New York, by the Panama Canal at $3,522.38. Schedule 3464, opened May 25.

7,750 pounds; awarded to the Conray Products Company, New York, by the Panama Canal at $781.98. Schedule 3464, opened May 25.

Wax, Liquid Floor:—13,000 gallons; awarded to the R. M. Hollingshead Corporation, Camden, N. J., by the Post Office Department at 28.24c. per gallon. Procurement 291, opened May 24.

Yellow Ocher:—15,000 pounds; awarded to the Industrial Paint Company, Haysville, Pa.; by the Panama Canal at $912.50. Schedule 3464, opened May 25.

Trade Briefs

Pelzer Manufacturing Company, Greenville, S. C., has curtailed production of print cloths by 40 percent.

Essential oils exported by the United States in April were valued at $263,250, against $180,250 in April last year.

Charles A. Buerk, president of the Buffalo Electro-chemical Company, has been made a director of the Buffalo Chamber of Commerce.

M. F. Austin, manager of the vegetable oil department of W. R. Grace & Co., this city, is enjoying a vacation in the Adirondack Mountains.

S. S. White Dental Manufacturing Company, Philadelphia, sales for the first quarter amounted to $2,048,274, against $1,999,121 in the same period a year ago.

Charles Hermann, vice-president of McKesson & Robbins, Inc., drug manufacturer, this city, is in Europe for an extended coverage of the leading commercial centers.

American Can Company, this city, has contract for a 100,000 square-foot extension to its manufacturing and storage space in Montreal, at an approximate cost of $375,000.

Kentucky chain-store tax was argued before the State court of appeals May 26 on a petition by the State for another hearing of the action in which the court by a 5-to-2 decision March 21 found the tax "unreasonable and arbitrary" and "therefore invalid."

E. Abury Davis, who is one of the directors of McCormick & Co., Inc., manufacturer of insecticides and food specialties in Baltimore, has been elected head of the Community Fund, which disburses a large sum annually in the relief of distress.

Tungtree blossom may be adopted as the national flower of China, according to news from Shanghai, which has it that the practical value of the tungtree fits better than the esthetics of the present flower, the plum blossom, into present-day Chinese philosophy.

Botanical Drugs, Spices, and Gums

New Crop Influence Eases Prices on a Few Domestics—Aletris and Ladyslipper Roots Down—Ipecac and Rhubarb Lower —Growing Weather Favorable

Business in botanical drugs was fairly quiet last week. Most sellers indicated that the call was productive of a very conservative total volume of trade and that it reached the spot irregularly throughout the period under review. Pricewise, the majority of items held steady, but a few sold at slightly lower levels, probably the result of new crop influences.

Among those materials moving moderately in favor of buyers were aconite root, aletris root, cascara bark, cinchona quills, grains of Paradise, horehound herb, ipecac root, lady slipper root, and rhubarb root. The advances involved a few condimental entities, dried raspberries, and bleached calamus root.

Reports concerning progress of the growing crops were not tinged with adverse comments anent weather conditions. For the most part, in the domestic collection areas there has been plenty of rain and wild plants have made good progress toward maturity. Information from Europe has contained nothing to give rise to concern at this time. At the moment, conditions seemed to be favorable from whatever point of view.

Entries of botanicals at the port of New York since the week of January 1, 1939, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	...	872
Belladonna	...	220
Caraway	1,670	15,419
Cardamom (cases)	32	880
Celery	...	1,588
Cumin	100	1,592
Digitalis leaves (cases)	...	...
Dill	...	257
Fennel	300	784
Henbane leaves (bales)	...	126
Mustard	...	9,653
Poppy	...	17,626
Sage leaves (bales)	...	1,102
Sesame	930	12,574
Stramonium (bales)	165	276
Thyme (bales)	...	610

Price Changes

Prices were changed during the past week as follows:—

Advanced

Calamus root, bleached, 2c. per lb.
Fennel seed, French type, ¼c. per lb.
Indian, ¼c. per lb.
Ginger root, African, ½c. per lb.
Mustard seed, Danish yellow, ¼c. per lb.
Roumanian yellow, ¼c. per lb.
Pepper, black, Lampong, ½c. per lb.
Raspberries, dried, 5c. per lb.
Tarragon herb, 5c. per lb.

Reduced

Aconite root, 1c. per lb.
Aletris root, 1c. per lb.
Angelica root, domestic, 1c. per lb.
imported, twisted, 1c. per lb.
Cascara bark, 1c. per lb.
Cinchona bark, USP, quill, 10 in., 2c. per lb.
20 in., thick, 5c. per lb.
20 in. medium, 5c. per lb.
Caraway seed, ½c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Grains of Paradise, 3c. per lb.
Horehound herb, ½c. per lb.
Ipecac root, whole, 5c. per lb.
powdered, 5c. per lb.
Lady slipper root, 1c. per lb.
Pepper, white, Java Muntok, ½c. per lb.
Saigon, ¼c. per lb.
Pimento, ¾c. per lb.
Rhubarb root, whole, 2c. per lb.
powdered, 2c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
123.2	**123.9**	**122.9**	**124.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Barks

Cascara Sagrada. — Spot quotations were lower at 9c. to 10c. per pound, reflecting the fairly attractive prices at which new peel has been offered from the primary market.

Cinchona.—Quotations on quill bark were lower at 50c. to 52c. per pound for the 10-inch USP grade; 55c. to 60c. for the 20-inch, thick; and 53c. to 55c. for the 20-inch, medium thick. USP broken red and yellow bark continued strong at the recent advance.

Condurango.—The market proved to be one of substantial stability as to price, notwithstanding the fact that demand was limited to occasional calls for small quantities. Fair-sized reserves were in hand.

Sassafras. — Stocks were reported gaining in the primary market under the drive to lay in ample reserves against the next major season for consumption. Prices being paid at this time suggest that values next Winter will be close to those now in effect.

Soap.—The situation of fair strength and well maintained prices continued to prevail. Absence of large shipment offerings contributed to local strength of prices and the absence of competitive pressure against existing values on spot.

Beans

Tonka.—Fair trading was reported. Angostura beans failed to work lower and showed fair stability at quoted levels. Brazilian beans were offered in abundance at prices believed to be attractive to buyers for consumption; the call was fair.

Vanilla.—According to report, the quality of the Mexican crop was good on the whole. Seventy percent of the beans were reported cut before ripe, this because the Totonaco Indians needed money. The difference in quality was indicated by the loss in weight, being approximately 80 percent in October against about 60 percent in February when the crop ended. The flowering of the crop to be harvested next October was reported very satisfactory. New plantings will come to bearing this year. Exports of beans from Vera Cruz to this country in each of the first three months this year were as follows:—January, 138 cases, weighing 6,772 kilos; February, 257 cases, weighing 9,559 kilos, and March, 237 cases, weighing 23,511 kilos.

Berries

Prickly Ash.—Spot deliveries were unavailable, but goods for delivery within two weeks were offered locally on the basis of 25c. to 30c. per pound.

Raspberries.—The market continued to advance here in order to reflect a further rise in prices at the source. Quotations were noted on spot at 35c. to 38c. per pound.

Flowers

Arnica.—The present outlook favors fairly firm prices on new crop in Europe. Local quotations have ssumed a steadier position since the recent but not very large reduction in prices. Demand was generally quiet.

Chamomile. — Undertones were steady.. While demand was not expansive, it was up to recent volume and contributed to the general maintenance of local quotations in force of late. Stocks were in fair reserve.

Malva.—Black and blue materials were steady. New orders were confined to jobbing lots but absence of larger needs failed to find reflecting in the prevailing prices for spot goods. Sellers were steady in their price views at all times.

Poppy.—Quotations solidified on the basis of 90c. to $1 per pound for red flowers and seemed likely so to remain unless there shall come a further and substantial reduction in replacement cost.

Pyrethrum.—The market in Japan was very firm on whole flowers. The quality of recent shipments has left to be desired and makers of concentrates are compelled to use more than the usual quantity to secure one gallon of the concentrate. Prices on concentrates were firm but a deal of competition existed between the not large number producers in this country.

Gums

Arabic.—Prices continued to be low and ruled under competitive conditions that kept returns to dealers not entirely satisfactory. Demand was such as to make trading fairly favorable for buyers and their bids stood a reasonable chance of acceptance if made within reason.

Benzoin.—Trade was irregular but probably even with volume common to the market at this season of the year. Quotations on Sumatra gum were about steady and prevailed at levels that should be attractive to consumers.

Galbanum.—Several fair sized lots went to consumers at prices confirming prices recently quoted on the spot. However, in the main trade was irregular and the market tended to be quiet.

Kino.—The market was practically nominal since lots were few on spot and were held mostly for the account of regular customers. Export inquiries have gone unfilled.

Myrrh.—Steady undertone prevailed. Prices were lacking in change and seemed to be well held notwithstanding the quiet character of consuming request. Stocks is reserve were not unduly large.

Herbs and Leaves

Buchu.—The market was very steady; all weakness disappeared following the beginning of a rise in primary market prices. The undertone of the spot market remained very steady throughout the past week.

Horehound.—The market eased back to the basis of 8c. to 9c. per pound, changing in accordance with a slight downward swing in the price views concerning new crop goods.

Marjoram.—Strong prices prevailed but the levels in effect were such as to discourage considerable any tendency of consumers to operate along broader lines. In addition to French and Tunisian material, some Chilean produce was quoted at 14½c. to 15c.—16c. less than the quotation on French goods.

Senna.—Undertones were exceptionally steady and prices held well throughout the past week. Demand was moderately active and aided in the general support of values on spot.

Tarragon.—This herb was in very low supply and under actual sales conditions it moved into consumption on the basis of 35c. to 37c. per pound, according to seller and quantity.

Miscellaneous

Colocynth Pulp.—The market has been steady for some weeks. During the period under review, it was still so reported, though the movement into consumption was exceptionally light.

Ergot.—The general market position was one of some strength. Offerings from Europe were not very large and prices were uniformly strong and, if anything, tending upward. The local market fully reflected the situation abroad.

Grains of Paradise.—The price declined to the basis of 35c. to 36c. per pound last week, being evidence of better supply and more competition for the not large amount of business current during the period under review.

Manna. — Cables from Italy named prices that accounted for continuation of recent spot quotations. Demand was moderate. Values abroad were under government control. Consumption in this country has been reduced by the marketing of competing material.

Papain.—Undertones were steady, but demand lacked vitality. Recent reports of a smaller crop tended to make sellers disinclined further to shade spot quotations.

Roots

Aconite.—Quotations were slightly lower at 25c. to 26c. per pound, and the market was dull at the decline.

Aletris.—With new crop stocks gaining the primary market, some spot sellers revised local quotations down to the basis of 38c. to 40c. per pound.

Angelica.—Domestic root was cheaper at 38c. to 40c. per pound. Also, twisted imported root was off to the basis of 28c. to 30c. The market as a whole was very quiet.

Calamus.—Bleached material sold in a substantial way at 42c. to 45c. per pound last week and more business was under consideration at the close.

Ipecac.—Quotations were reduced to

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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$1 to $1.05 per pound for whole, and to $1.10 to $1.15 for powder. This contrasted with the element of stability that prevailed for some weeks and was said to reveal lower priced purchases made in the primary market.

Lady Slipper.—Following the usual trend in late Spring when new crop collections ease the market. Spot quotations were shaded to 38c. to 40c. per pound.

Rhubarb.—Reports said that one fairly large lot held here recently on consignment had been taken out of the market by sales to distributors. One-quarter reduced whole root to 46c. to 48c. per pound and established powdered material at 50c. to 52c.

Seeds

Caraway.—Quotations eased and sales confirmed the market at 9½c. to 9⅝c. per pound under the influence of very moderate demand.

Fennel.—French type seed was higher at 8c. to 8½c. per pound and the Indian variety was also advanced to 7½c. to 8c. for spot goods.

Flea.—The easier and lower quotations recently reported continued in effect and since the call was light and irregular, conditions favored buyers with firm orders in hand.

Mustard.—Scarcity of yellow seed continued to strengthen prices. Danish yellow rose to 9¼c. to 9½c. per pound and the Roumanian was up to 5⅞c. to 6⅛c. English was firm; spot stocks cannot be increased by prompt shipments from the source since warehouses were reported empty abroad.

Spices

Cinnamon.—Ceylon No. 2 was reduced to 14c. to 14½c. per pound. Demand was sluggish.

Ginger.—Quotations were a small fraction higher on African root, standing at 3⅞c. to 4⅛c. per pound. No other price in the ginger root group was changed.

Paprika.—Quotations held unchanged but the market was fairly easy in undertone and sellers still were inclined to accept buyers' bids if made on a reasonable basis. Desire to reduce stocks was evident.

Pepper.—Black Lampong rose to 3¼c. to 3½c. per pound but was still stocked so heavily as to make sustained rise unlikely. White Java Muntok was down to 7 to 7⅜ per pound and Saigon was lower at 6¼c. to 7¼c. Red peppers lacked change.

Trading in black pepper futures on the New York Produce Exchange from May 27 to June 2, inclusive, comprised 235 cotracts, a total of 7,896,000 pounds. Following is a price record for the week.

	Cents per pound		
	High.	Low.	Close.
March	3.52	3.50	3.40@3.42
May	3.49	3.50	3.46@3.49
July	3.23	3.10	3.09@3.11
September	3.30	3.19	3.19 sale
November	3.27	3.27	3.20@3.27
December	3.35	3.30	3.24@3.30

Pimento.—Quotations sank to the level of 13½c. to 14c per pound when competition pressed for the limited business reaching the market last week.

Coaltar Intermediates Output: 1938

Production and Sales, 1938

(Statistics omitted are not publishable)

	Production, Pounds.	Sales, Pounds.	Sales, Value.	Unit value.
Total intermediates	401,942,965	171,513,718	$26,089,597	$0.15
Acetanalide, tech	167,937	.....	.....	...
Acetyl-p-phenylenediamine (p-amino acetanilide)	206,923	.....	.....	...
b-Aminoanthraquinone	360,333	.....	.....	...
Aminoazobenzene and hydrochloride	125,883	.....	.....	...
Aminoazobenzene sulfonic acid	74,504	.....	.....	...
Aminoazotoluene	224,903	.....	.....	...
p-Aminobenzoyl J acid	45,439	.....	.....	...
Aminodiphenylamine sulfonic acid	15,035	.....	.....	...
1-Amino-2-naphthol-4-sulfonic acid	550,887	.....	.....	...
1-Amino-8-naphthol-2:4-disulfonic acid (Chicago acid)	56,537	.....	.....	...
1-Amino-8-naphthol-3:6-disulfonic acid (H acid)	2,515,842	.....	.....	...
2-Amino-5-naphthol-7-sulfonic acid (J acid)	366,138	.....	.....	...
2-Amino-8-naphthol-6-sulfonic acid (gamma acid)	588,298	.....	.....	...
o-Aminophenol	13,068	16,398	25,156	1.53
p-Aminophenol and hydrochloride	628,586	377,597	236,362	.63
Aniline disulfonic acid	39,359	.....	.....	...
Aniline oil	26,745,862	8,405,484	916,982	.11
Benzidine hydrochloride and sulfate	957,281	.....	.....	...
Benzidine disulfonic acid	17,041	.....	.....	...
Benzoic acid, tech	138,058	110,810	36,514	.33
Chloroanthraquinone	258,984	.....	.....	...
o-Chlorobenzaldehyde	89,827	.....	.....	...
Chlorobenzoyl benzoic acid	467,224	.....	.....	...
Chloromethylanthraquinone	55,609	.....	.....	...
Chlorotoluidine sulfonic acid	177,422	20,696	20,326	.98
Cresols: Ortho-meta-para	11,403,429	.....	.....	...
Diaminostilbene disulfonic acid	122,195	.....	.....	...
Diazosalicylic acid	47,983	.....	.....	...
Dichloraniline	86,199	65,840	25,664	.39
Dichloraniline sulfonic acid	30,897	.....	.....	...
o-Dichlorobenzene	3,290,355	2,446,247	136,486	.06
p-Dichlorobenzene	13,061,206	12,824,672	1,093,223	.09
1:4-Dihydroxy anthraquinone (quinizarin)	142,677	.....	.....	...
1:5-Dihydroxy anthraquinone (anthrarufin)	135,661	.....	.....	...
5:5-Dihydroxy-7:7-disulfonic-2:2-dinaphthylurea (J acid urea)	138,142	.....	.....	...
Dimethylaniline	2,739,289	509,595	116,773	.23
Dinitrobenzene	1,312,482	.....	.....	...
Dinitrochlorobenzene	4,965,771	.....	.....	...
Dinitrostilbene disulfonic acid	307,292	.....	.....	...
Diphenyl epsilon acid	8,601	.....	.....	...
Ethylbenzylaniline sulfonic acid	354,465	.....	.....	...
Ethylbenzyl-m-toluidine sulfonic acid	22,681	.....	.....	...
h-Hydroxy naphthoic acid	751,737	485,013	485,148	1.00
Leuco quinizarin	15,075	.....	.....	...
Maleic acid and anhydride	1,538,648	1,195,941	337,981	.28
Napdthalene, solidifying 79° C. or above (refined, flake): Total	38,239,167	25,905,056	1,567,604	.06
From domestic crude	21,991,677	.....	.....	...
From imported crude	16,267,490	.....	.....	...
1:5-Naphthalene disulfonic acid	250,540	.....	.....	...
a-Naphthol	560,932	.....	.....	...
1-Naphthol-5-sulfonic acid	121,496	.....	.....	...
2-Naphthol-6-sulfonic acid (Schaeffer's acid)	148,189	24,502	10,586	.43
2-Naphthol-3:6-disulfonic acid	277,493	124,557	66,010	.53
2-Naphthol-6:8-disulfonic acid	733,861	.....	.....	...
a-Naphthylamine	2,155,334	.....	.....	...
1-Naphthylamine-5-sulfonic acid (Laurent's acid)	110,726	.....	.....	...
1-Naphthylamine-7-sulfonic acid	126,801	.....	.....	...
1-Naphthylamine-8-sulfonic acid	252,007	.....	.....	...
1-Naphthylamine-3:6:8-trisulfonic acid	3,260,315	.....	.....	...
2-Naphthaylamine-1-sulfonic acid (Tobias acid)	823,087	473,363	280,545	.59
2-Naphthaylamine-4:8-disulfonic acid	126,359	.....	.....	...
2-Naphthylamine-5,7-disulfonic acid	515,467	.....	.....	...
2-Naphthylamine-6:8-disulfonic acid	883,711	.....	.....	...
Nitroaminophenol	55,029	.....	.....	...
m-Nitroaniline	47,945	.....	.....	...
p-Nitroaniline sulfonic acid	38,815	.....	.....	...
Nitrobenzene	36,934,140	.....	.....	...
Nitrobenzene sulfonic acid	90,170	.....	.....	...
p-Nitrochlorobenzene-o-sulfonic acid	145,078	.....	.....	...
2-Nitronaphthalene-4:8-disulfonic acid	102,881	.....	.....	...
Nitrosophenol	536,795	.....	.....	...
p-Nitrotoluene-o-sulfonic acid	694,318	.....	.....	...
m-Nitro-p-toluidine	526,483	478,389	581,241	1.22
Phenol	44,547,798	32,195,536	3,560,037	.11
Phenyl-2-amino-5-naphthol-7-sulfonic acid (phenyl J acid)	48,928	.....	.....	...
Phenyl-2-amino-8-naphthol-6-sulfonic acid (phenyl gamma acid)	10,793	.....	.....	...
m-Phenylenediamine	549,415	.....	.....	...
m-Phenylenediamine sulfonic acid	44,658	.....	.....	...
Phenylglycine, sodium salt	4,205,347	.....	.....	...
Phenyl-1-naphthylamine-8-sulfonic acid	266,368	.....	.....	...
Phthalic acid and anhydride	27,650,270	14,058,480	1,979,765	.14
Picramic acid and salt	66,700	39,874	25,733	.65
Sulfanilic acid and salt	1,503,149	.....	.....	...
Tetramethyldiaminodiphenylmethane	472,874	.....	.....	...
o-Toluidine sulfonic acid	90,927	.....	.....	...
m-Tolylenediamine	689,231	180,446	128,032	.67
Trichlorobenzene	942,792	508,158	31,477	.06

Aromatic Chemicals Production: 1938

United States production and sales of certain synthetic flavors and perfume materials in 1938, as reported by the Tariff Commission, follow:—

Of Coaltar Origin

	Production, Pounds.	Sales, Pounds.	Sales, Value.	Unit value.
Amyl cinnamic aldehyde	46,547	35,359	$53,831	$1.52
Amyl salicylate	49,750	46,646	21,039	.45
Benzyl alcohol	95,162	.....	.....	...
Benzyl benzoate	38,810	36,090	27,828	.77
Benzyl butyrate	833	365	463	1.27
Benzyl propionate	1,325	1,172	1,604	1.37
Coumarin (synthetic)	138,357	154,409	387,050	2.51
Ethyl benzoate	1,650	1,079	1,158	1.07
Methyl anthronilate	14,709	.....	.....	...
Methyl cinnamate	8,602	2,091	2,651	1.27
Methyl p-cresol	107	.....	.....	...
Methylnaphthyl ketone	3,247	2,410	6,927	2.87
Methyl salicylate	1,287,481	1,319,395	420,301	.32
Musk xylol	46,876	49,667	46,450	.94
Phenylethyl alcohol	105,361	100,590	183,306	1.82
Vanillin	465,077	454,948	1,009,227	2.22
Totals	3,795,317	3,617,849	$3,283,151	$0.91

Non-Coaltar

Anisic aldehyde (Anhepine)	19,008	.....	.....	...
Citral	18,741	17,044	24,131	1.42
Citronellol	2,506	5,723	10,397	1.82
Ethyl oenanthate	3,452	2,923	2,025	.70
Ethyl oxyhydrate	10,663	9,507	5,815	.61
Geraniol	300,717	261,954	163,845	.63
Geranyl acetate	9,328	6,892	7,546	1.09
Heliotropin	32,248	.....	.....	...
Ionone	39,853	36,696	60,214	1.64
Isoamyl butyrate	.....	5,952	4,450	.75
Isoamyl isovalerate	799	937	1,448	1.55
Linalyl acetate	355	.....	.....	...
Methyl ionone	13,261	12,053	30,693	2.55
Rhodinol	3,705	2,943	30,784	10.46
Terpineol	638,797	613,109	122,543	.20
Totals	1,436,311	1,259,577	$711,319	$0.56

Synthetic Medicinals Output: 1938

United States production and sales of certain synthetic medicinals in 1938, as reported by the Tariff Commission, follow:—

Of Coaltar Origin

	Production, Pounds.	Sales, Pounds.	Sales, Value.	Unit value.
Acetanilide	410,417	408,425	$104,500	$0.26
Acetylsalicylic acid (aspirin)	3,896,066	3,893,692	2,076,261	.53
p-Aminobenzosulfonamide (sulfanilamide)	338,939	373,875	668,228	1.79
p-Aminobenzoyldiethylaminoethanol (Procaine)	14,070	9,506	303,405	31.92
Arsphenamine	297	249	29,032	120.27
Barbituric acid derivatives—				
Phenobarbital	112,037	89,351	390,350	4.37
Phenobarbital sodium	9,881	9,237	35,910	3.89
Caffeine sodium benzoate	.....	1,112	3,275	2.95
Dyes, medicinal—total	39,244	33,085	998,510	$0.18
Ethyl p-amino benzoate (Benzocaine) (Anesthesine)	13,693	11,686	37,809	3.24
Mandelic acid and salts	58,637	65,767	199,570	3.03
p-Methylphenyl cinchoninic ethyl ester (Neocinchophen)	.....	3,882	50,259	12.95
Neoarsphenamine	9,865	9,237	869,718	94.16
Phenolphthalein	245,148	.....	.....	...
Salicylic acid	3,330,287	1,448,851	378,483	.26
Sodium salicylate	424,963	410,894	164,962	.40
Sulfoarsphenamine	392	242	35,889	148.30
Tetraiodophenolphthalein and sodium salt (Iodeikon) (Antinosin)	5,715	5,486	78,338	14.37
Totals	11,096,861	8,884,839	$9,508,831	$1.07

Non-Coaltar

Ascorbic acid	8,693	.....	.....	...
Barbituric acid derivatives—total	137,781	64,947	451,888	6.96
Ethyl nitrite	11,796	13,439	8,783	.65
Methyl iodide	618	559	2,768	4.95
Theophylline and derivatives—				
Ethylenediamine (Aminophylline)	12,279	5,138	77,449	15.07
Thymol iodide	.....	5,613	18,296	3.26
Totals	1,379,174	1,136,915	2,277,730	$2.00

Chain Store Tax Plan For Quebec Vetoed by Premier

A request for a new chain store tax in this city was rejected by Maurice Duplessis, premier of Quebec, last week, who stated neither the city nor the province has such tax power. The premier's decision was believed influenced by fiery public demonstrations in protest of the last chain store tax in this city which led the stores to close their doors. That tax was eventually rescinded.

Nord & Schulich, Inc., chemical manufacturer and refiner, Newark, reports that Reuben Schulich has resigned from the company. Officers of the company are S. Nord, president and treasurer, and R. Nord, secretary.

Chemical Corporation Data Published by SEC

—Continued from page 3

stores, are available upon request. Such requests, as well as requests for future summaries, should be addressed to the Publications Unit, Securities and Exchange Commission, Washington. The supply of the summaries on steel companies, variety chains, automobile manufacturers, manufacturers of tires and other rubber products, manufacturers of agricultural machinery and implements, cigaret manufacturers, sugar refiners, mail-order houses, oil refiners, office machinery and equipment, cement manufacturers, and department stores has been exhausted, and these are no longer available for distribution.

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Essential Oils, Aromatic Chemicals

Eucalyptol Reflects Recent Rise in Eucalyptus Oil—Russian Peppermint Oil Total 35,150 Pounds to Date—Algerian Geranium Lower—Guaiac Wood Concrete Off

Arrival of hot summer-like weather in late Spring contributed considerably to an increase in demand for oils seasonally active under such conditions. Distribution of lemon, orange, and lime oils mounted moderately but steadily, and by the close of the period under review volume had reached fairly satisfactory totals. Price developments were few; most items retained a fairly steady price position on the open market and concessions to buyers were usually of the special sort that result from specific negotiations and do not usually bring about a change in open quotations.

Eucalyptol at a slight advance did no more than reflect the stronger and rising price of raw material. Lower quotations were reported on Algerian geranium oil, but no change in prices on Bourbon and Turkish material was reported. Guaiac wood concrete was down substantially as the result of more pressing offers and resulting competition between sellers. California lemon was advanced.

Peppermint held firm in the middlewest from whence have come no adverse reports regarding the progress of the growing crop. Imports of Russian oil now total 35,150 pounds to date this year, in itself a feature since imports of any sort of peppermint are usually confined to a few pounds. Since none of the Russian oil has been detained by the Food and Drug Administration, the material is presumed to meet USP specifications.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Eucalyptol, 1c. per lb.
Lemon oil, California, 10c. per lb.

Reduced

Coriander, 25c. per lb.
Geranium oil, Algerian, 5c. per lb.
Guaiac wood, concrete, 40c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.3	68.3	68.2	70.9

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Quotations were steady and conditions did not point to an early extension of the recent movement in favor of buyers. Demand was moderate and built mainly from requirements usually conservative in size.

Amber.—The movement from some quarters stocking this item improved moderately and gave a firmer undertone to prices in most directions. At least, no tendency toward shading of quotations was noted and values as a whole displayed resistant qualities.

Anise.—Undertones were moderately easy on the whole because of stocks being ample to cover current requirements and the outlook for replacement buying was reasonably satisfactory. The tendency of prices was favorable for buyers' operations.

Bay.—Some pickup in the call was noted, though the gains still were based on jobbing business in the main. Quotations were generally steady.

Bergamot.—Trade was light. Most consumers were fairly well protected against their nearby requirements and that fact kept trade confined to somewhat narrow limits. Prices were unaffected.

Bois De Rose.—Very little Cayenne oil finds a consumer outlet in this country and the market to all intents and purposes was nominal last week. The bulk of consumption centers on Brazilian material, which was offered in ample quantities at $1.45 to $1.50 per pound last week.

Camphor.—The situation was tight so far as supply was concerned and continuation of the present nominal position of prices was likely. Japan released only small lots for consumption in this country, keeping the bulk of production for the use of home manufacturers of derivatives.

Cedarleaf.—Very good request along entirely seasonal lines was noted last week and quotations were fully firm at all times.

Cedarwood.—Seasonable interest was displayed in offerings. In fact, the movement has been very good and given to the market an undertone of added firmness. Prices were well held.

Citronella.—The basic position of the item changed little. Java was the cheaper oil, Ceylon being held at shipment prices preventing normal trading interest in that item. Quotations were generally easy in local circles because of competition.

Clove.—Jobbing business was very fair in size but it did little more than hold values to stable position and to check any tendency toward definite change in the quotations of the leading producers. Production cost was steady.

Coriander.—Quotations were lowered to the basis of $12 to $12.50 per pound for the article produced by distillation in this country. Europe as a source of oil continued barred to this market; nothing was offered save at prices not comparing favorably with the product of home distillation.

Eucalyptus.—The advance was maintained and everything suggested that during the weeks immediately ahead, values would be firmly supported here by the fact that primary market replacement costs tended upward, if anything.

Geranium. — Well stabilized prices were the rule. The setup so far as replacement material seemed to have been established on a firm basis and the outlook for well maintained quotations in the several primary markets was good. Locally, quiet trade accompanied steady prices, save that Algerian oil was shaded to $2.65 per pound.

Grapefruit. — This item continued slowly to make its way into favor as an excellent component of hot weather beverages. The market was low in price and fully stocked with goods.

Guaiac Wood. — This concrete was lower at $2.10 to $2.15 per pound and its excellent fixative properties plus its fine tea-like odor commended it to manufacturers of perfumes, particularly those used by soap makers.

Lemon.—The general undertone was firm. Prices for California oil were advanced to $2.50 per pound and the article underwent increased demand that followed seasonal lines. Messina oil was very firm in Europe and all advances there have been maintained. Local call for good brands was fair.

Lemongrass.—A slightly easier tendency in local circles was noted and some tendency toward price shading could be found. However, basic spot quotations were unchanged with most sellers holding values pending further developments at the source.

Lime.—The stronger undercurrents that developed when drought raised doubts concerning probable output in all primary markets continued to sweep the spot, holding quotations to a firm basis.

Peppermint.—From all reports reaching here, the holders of old crop oil in the primary market were taking a firm view on prices. Since values were low, the price position taken was reasonable. Nothing adverse concerning progress of the growing crop has come out of the middlewest as yet. Russian oil continued to be the cause of considerable thought among those merchandising domestic oil. Thus far this year, arrivals have totaled 35.150 pounds. None of this oil has been detained by the Department of Agricul-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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ture and, presumably, meets USP specifications.

Aromatic Chemicals

Anethol.—Raw material was fairly easy, but the situation had yet to affect quotations on this derived material. For the most part the market had steady qualities and values were maintained notwithstanding the not especially large request.

Anisic Aldehyde.—Undertones were steady. Demand was light and irregular most of the time, but absence of important tendency toward competition held quotations to a steady basis.

Citronellyl Acetate.—This rose type ester had a fair call and values continued to be well stabilized in all respects. Stocks were plentiful in all quarters.

Citronellyl Butyrate.—This modifier for the sharper odor of citronellol came in for a normal request and market undertones continued to be very steady.

Epenone.—Makers of soap perfumes were fair takers of this aubepine type, which is highly resistant to alkali, has a high boiling point crystal, and which possesses excellent fixation and odor values.

Ethyl Cinnamate.—More than ordinary interest in jobbing lots was displayed and the market as a whole was on a steadier to firmer basis by the close of the past week. Quotations were well held.

Eucalyptol.—Because of the advancing market on raw material, quotations on this material were higher on the basis of 57c. to 58c. per pound and undertones were very firm following the rise.

Eugenol.—The very stable market on clove oil was fully reflected in the well-held quotations on this derived item. As to demand, it changed very little from the modest total in the previous week.

Geraniol.—Grade was quiet so far as expansion in sales was concerned, but in the main the situation seemed to be steady and values were little subject to shading last week.

Hyacinth Geraniol. — Several small lots sold at $8 per pound, but in the main interest was lacking and the market was definitely routine.

Methyl Anthranilate.—Imported and domestic materials were steady. Inquiries were about level with those in recent weeks, but there seemed to be little tendency toward an increase in consumers' needs.

Methyl Cinnamate.—Makers of soap makers perfumes were in the market for fair quantities, but on the whole volume was little improved and the general drift of trading was along recent lines. Prices were reported to be generally steady.

Standard Steel Spring Makes Rimbach Technical Advisor

Richard Rimbach has been appointed technical advisor to R. C. Enos, president of the Standard Steel Spring Company, Coraopolis, Pa. Mr. Rimbach will work on the development and promotion of a new process for coating steel with a pore-free metallic coat which has successfully demonstrated its resistance to severe corrosion conditions in the Texas oil fields.

For Your Sales Department

Information on 5167 Chemicals and Related Materials which has appeared in the "Where You Can Sell" department of the Oil, Paint and Drug Reporter from 1922 to date has been collected in a big new book. See page 35 for particulars.

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Dimethyl-1:4-dioxane
Dioxane (hot)
Ether (incompletely soluble in hot)
Fusel oil (hot)
Isoamyl alcohol (hot)
Petroleum ether (hot)
Tetrachloromethane (hot)
Turpentine (hot)

Mustard Oil, Expressed

Catalysts Used in Hydrogenation of Expressed Mustard Oil

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Cerium oxide
Cerium salts
Cobalt, colloidal
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Cobalt oxide
Cobalt silicide
Didymium carbide
Didymium oxide
Didymium salts
Iron, colloidal
Iron carbide
Iron carbonyl
Iron compounds
Iron oxide
Iron silicide
Lanthanum
Lanthanum carbide
Lanthanum oxide
Lanthanum salts
Lead methyl
Mercury-methyl
Metal-methyls
Nickel
Nickel, colloidal
Nickel carbide
Nickel carbonyl
Nickel oxide
Nickel silicide
Rare earth metals
Rare earth carbides
Rare earth oxides
Rare earth salts
Thallium-methyl
Thorium
Thorium carbide
Thorium oxide
Thorium salts
Tin-methyl
Zinc-methyl

Catalyst Carriers in Hydrogenation of Expressed Mustard Oil

Asbestos
Clay
Fuller's earth

Nail Polish

Bases for Nail Polish

Albertols
Acetylcellulose
Butylcellulose
Cellulose dinitrate
Cellulose esters
Cellulose ethers
Cellulose trinitrate
Coumarone
Dammar
Elemi
Ester gums
Ethylcellulose
Indene resins
Mastic
Methylcellulose
Nitrocellulose
Rosin esters
Shellac

Gloss Increasers for Nail Polish

Amyl alcohol
Butyl lactate
Ethyl lactate
Fusel oil, refined

Pigments for Nail Polish

Carmine red
Indian red
Iron oxide
Synthetic dyes approved for external cosmetic use
Venetian red

Solvents Used in Making or for Removing Nail Polish

Absolute alcohol
Acetaldol
Acetanilide
Acetone
Acetone oils
Acetyl tetrachloride
Acetylacetone
Acetyldicyclohexylamine
Amyl acetate
Amyl acetate mixed iosmers
Amyl alcohol
Amyl alcohol mixed isomers
Amyl alphacrotonate
Amyl lactate
Amylisoacetone
Anhydrous alcohol
Anisol
Benzene
Benzyl acetate
Benzyl alcohol
Benzyl benzoate
Benzyl chloride
Benzylcellosolve
Butanol
Butyl acetate, secondary
Butyl alcohol
Butyl formate
Butyl lactate
Butyl oxalate
Butylcarbitol
Butylcellosolve
Butylglycol
2-Butyloctanol esters
Carbitol
Carbitol acetate
Carbon tetrachloride
Cellosolve
Cellosolve acetate
Chloroform
Coaltar hydrocarbons
Coaltar naphtha
Cyclohexane
Cyclohexanol
Cyclohexanol acetate
Cyclohexanone
Cyclohexanyl acetate
Cyclohexene-1-one
Cyclopentanol
Decamphored turpentine oil
Dekalin
Diacetone
Dibutyl phthalate
Dichloroacetone
Dichlorobenzene
Dichloroethyl ether
Dichloroethylene
Dicresylglyceryl ether
Diethyl carbonate
Diethyl ketone
Diethyl oxalate
Diethyl phthalate
Diethylcarbitol
Diethyl-1:4-dioxane
Diethylglycol monoacetate
Diglycol diacetate
Di-idobutyl ketone
Dimethyl phthalate
Dimethylcyclohezanone
Dioxane
1:4-Dioxane
Diphenyl ether
Diphenylglyceryl ether
Dissolvan
Ethyl acetate
Ethyl acetoacetate
Ethyl acetylglycollate
Ethyl acetylsalicylate
Ethyl benzoate
Ethyl butylcarbonate
Ethyl-chloroacetate
Ethyl ether
Ethyl formate
Ethylene chloride
Ethylene dichloride
Ethyleneglycol monoacetate
Ethyleneglycol monoethylether
Ethylglycol
Ethylglycol acetate
Gasolene
Glycol benzoate
Glycol cinnamate
Glycol esters
Glycol ethers
Heptane
Hexalin acetate
Hexalin alcohol
Hexane
Hi-flash naphtha
Hydroterpin
Hydrobenzyl alcohol
Industrial spirits
Isobutanol
Isobutylethyl ketone
Isopropanol, anhydrous
Isopropyl alcohol
Isopropyl lactate
Mesityl oxide
Methanol, anhydrous
Methyl acetate
Methyl benzoate
Methyl ethers or ethyleneglycol
Methyl formate
Methyl phthalate
Methylcarbitol
Methylcarbitol acetate
Methylcellosolve
Methylcellsolve acetate
Methylcyclohexanol
Methylcyclohexanol acetate
Methylcyclohexanone
Methylcyclohexanone, isomeric
Methylcyclohexyl acetate
Methylhexalin
Methylhexalin acetate
Methylideneglycol
Methylisobutyl ketone
Methylphenyl ether
Mixed higher etherified alcohols and their derivatives
Monochlorobenzene
Propyl acetate
Propyl alcohol
Propyl benzoate
Propyl furoate
Propyl isoacetate
Solvent naphtha
Terpineol
Tetrachloroethane
Tetralin
Toluene
Tricresyl phosphate
Trinaphthyl phosphate
Turpentine
Xylene

Nitrobenzene

Catalysts Used in Reduction of Nitrobenzene

Cobalt
Copper
Iridium
Iron
Nickel
Osmium
Platinum
Tin
Tin oxide

Reagents for Reduction of Nitrobenzene

Ferric oxide
Hydrogen
Hydrogen with cobalt
Hydrogen with copper
Hydrogen with iridium
Hydrogen with iron
Hydrogen with nickel
Hydrogen with osmium
Hydrogen with platinum
Hydrogen with tin
Hydrogen with tin oxide
Iron
Iron with hydrochloric acid
Iron with neutral chlorides
Water gas
Zinc with sodium hydroxide

Petroleum Solvents, Lubricants, Fuels

Gasoline Market Strong—Prices Advanced in Midcontinent and New York—Bunker Fuel Oil Increased at Atlantic Ports —Texas Oil Fields Close Saturdays

The motor fuel market held the spotlight in the refined petroleum field last week as demand picked up in all sections of the country and a steady flow from refiner to consumer was seen. The holiday and warm weather during the week were partly responsible for the increased demand. The price structure also gained strength and tankcar prices were advanced in the Midcontinent, and at New York, Philadelphia and Boston. Major suppliers advanced the price of bunker fuel oil at Atlantic coast ports to conform with the advance made by one company several weeks ago. Crude scale wax continued strong although suppliers were practically sold out.

Despite the strengthening of gasoline, the petroleum price structure is apparently under pressure from the rapidly increasing shipments of crude oil from States outside the Midcontinent. These States are underselling by as much as 25c. to 30c. per barrel. Although this outside oil represents less than 10 percent of production East of the Rockies, it is keeping prices of refined products well below the level at which Midcontinent refiners can make a profit. There is little likelihood that the producers outside the Midcontinent area will hike prices. The only alternative is for Midcontinent producers to cut prices and meet the competition.

Instead of "opening up" Texas oil allowable in June, as threatened by a member of the Texas Railroad Commission, the commission last week rescinded an order for two Saturday shutdowns in June and ordered holidays on all four Saturdays in the month. Sunday shutdowns were continued. A state-wide hearing for July and subsequent months was set for June 12. Possibly as a result of the Texas threat, other States were paying more attention to oil proration. The Interstate oil compact for conservation of resources, signed by six States, was sent to the White House to be submitted to Congress. Kansas officials indicated they may adopt the Texas system of issuing proration orders for quarterly and bi-monthly periods. Five bills for regulation of Illinois oil and gas production are now on the house calendar after passage by the Illinois senate, and in California the only apparent bar to successful proration is the fight between the senate and the assembly over who is to have regulatory power over the oil industry.

Daily average crude oil production in the United States during the week ended May 27 was 3,585,250 barrels compared with 3,438,400 during the previous week, an increase of 146,850, according to the American Petroleum Institute. The increase was due to a gain of 176,650 barrels daily in the average output of Texas. Crude oil runs to stills averaged 3,405,000 barrels daily against 3,460,000 in the preceding week. The production of gasoline amounted to 11,180,000 barrels compared with 11,139,000 in the previous week. While stocks of gasoline were 84,152,000 barrels, a decrease of 392,000 from the 84,544,000 was reported at the close of the preceding week.

Stocks of domestic and foreign crude petroleum at the close of the week ending May 20 totaled 277,068,000 barrels, according to the Bureau of Mines. Compared with the total of the previous week this represents a decline of 671,000 barrels, comprising declines of 500,000 and 171,000 barrels in stocks of domestic and foreign crude, respectively. Heavy crude oil stocks in California, not included in the "refinable" crude stocks, totaled 14,593,000 barrels, a decline of 76,000 barrels from stocks on hand May 13.

Solvents and Diluents

Most of the materials in this group continued in fairly steady fashion during the period under review with all prices firm. Recent price-cutting in the tankwagon markets of the Midwest have failed to effect the volume of business there, as good demand is in evidence in the Midcontinent area.

Cleaners' Naphtha.—The market continued in routine fashion with demand and shipments into consumption at about the same level as last week. Prices continued firm and unchanged at the quoted levels.

Petroleum Thinners. — A fractional pick-up in demand was reported by many suppliers. The price schedule was firm at the level that had been in force for several weeks.

Rubber Solvent.—Tire manufacturers were calling out this material in fairly good volume last week, although not at a greater rate than preceding weeks. The price was firm and unchanged.

V.M. & P. Naphthas.—The market continued unchanged from the previous week with demand holding well and shipments steady.

Markets at Other Centers

Chicago, June 1.—Price cutting in the tankwagon market has been having a considerable effect on the general price structure of petroleum solvents and diluents lately, but there still is a good volume of business in the various lines. Tankcar markets have tended to steady recently. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4c. to 4¼c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tankwagon; v.m.&p. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, June 1.—A good demand for the industrial grades are in evidence. Rubber solvents are strong as are Stoddard and V.M.P. Higher gasoline quotations are expected to influence naphtha quotations in the near future.

Lighter Fractions

Materials in this group were holding well during the past week and several suppliers reported a slight pick-up in demand. Prices were on a firm basis and unchanged.

Butanes.—Material was attracting the interest of consumers at a better rate last week, following the previous week of sluggishness. Shipments to industrial consumers picked-up and prices became firmer.

Octanes.—The interest of large buyers of this mixture held about the same last week while small-sized lots of material continued to be shipped in steady fashion. Prices remained firm at the quoted levels.

Petrolatums and Waxes

The demand for white mineral oils was fair last week and the market for crude scale wax continued very strong. Wax was practically wiped out locally and suppliers in the Midcontinent were also well sold up.

White Mineral Oils.—Demand for both the domestic and imported materials continued fair last week with all prices remaining steady and unchanged.

Paraffin.—Crude scale wax was practically all sold up in most sections of the country and prices for both the 122-124 and 124-126 a.m.p. materials were nominal.

Chicago, June 1.—The refined petroleum wax market is holding steady, with few features. Inquiry of buyers for additional material involves amounts of material that in the aggregate mount up to good totals. Feeling as to the market seems to be mostly rather steady. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.7c. to 4.75c.; 130-132, 5c. to 5.05c.; 132-134, 5.25c. to 5.3c.

Tulsa, June 1.—Quotations are nominal as most refiners are well sold up. The 124-26 grade is still quoted 2.85 cents to 3 cents a pound, although even at the higher quotations supplies are inadequate.

Petrolatum.—Demand from industrial users became better during the period under review and prices tended to firm somewhat. Despite the sluggish condition of the market during the month of May it was still on a fairly steady foundation.

Fuels and Lubricants

One of the major suppliers of domestic bunker fuel oil advanced the price at Atlantic ports to conform with the price increase made by another seller several weeks ago. Three other companies advanced the tankcar price

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1939 Jan. 1-June 3	1938 Jan. 1-June 3
Commercial crude oil production	523,645,000	516,472,100
	Week ended June 3, 1939	Week ended June 4, 1938
Daily average production	3,573,586	3,092,900
	Week ended May 27, 1939	Week ended May 20, 1939
Estimated motor fuel stock total	84,152,000	84,544,000
Estimated finished motor fuel stock total	77,935,000	78,350,000

Outputs and Quotas

A comparison of Bureau of Mines calculations for May productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended May 27, follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma	455,800	428,000	449,750
Kansas	152,000	170,350	161,750
Texas	1,406,100	†1,393,200	1,462,000
Louisiana	261,600	263,634	267,950
Arkansas	52,900	54,627	55,100
Illinois	159,700	.....	222,300
Eastern	102,900	.....	99,250
Michigan	50,000	.....	63,850
Wyoming	64,200	.....	60,700
Montana	16,100	.....	14,650
Colorado	5,200	.....	3,950
New Mexico	115,500	‡117,100	110,500
California	582,600	§575,000	613,500
Totals	3,425,200	.....	3,585,250

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of May. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Net daily average basic allowable for the thirty-one (31) day period beginning May 1st. Shutdowns are ordered for the first two Saturdays and all Sundays during May, a total of six (6) shutdown days.

‡ Export allowance of 4,000 barrels included.

§ Recommendation of Central Committee of California Oil Producers.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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FACTORIES AT CLIFTON, N. J. AND BRILLANS (VAR) FRANCE

The State of the Petroleum Market

Gasoline prices in the Midcontinent were advanced ⅛c. last week which changes the price in this box.

	June 3	May 27	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.147	$1.147	$1.305
Gasoline prices at refineries (at four refining centers) per gallon	.0490625	.04875	.048125

of gasoline at New York, and similar strengthening of the motor fuel market was reported in all sections of the country. All grades of gasoline were advanced ⅛c. in the Midcontinent area.

Market Conditions

Gasoline.—The American Oil Company and the Crown Central Petroleum Company made a ¼c. per gallon advance in the tankcar price of gasoline at New York harbor. The new price is 6¼c. per gallon. The Hartol Products Corporation made a similar advance in New York, Philadelphia and Boston. The market was very strong and last week's demand was very heavy as a result of the holiday and extremely warm weather.

Kerosene.—There was little call for supplies last week and reports of price shading appeared to have a definite foundation.

Fuel and Gas Oils.—The Standard Oil Company of New Jersey advanced the price of domestic bunker fuel oil 10c. per barrel at Atlantic ports to a new level of $1.05 per barrel. The price of the bonded fuel oil was 95c. per barrel, f.o.b. refinery. The advance conformed with one made several weeks ago by another supplier. Light fuel oils were in small demand, although no prices were changed.

Lubricating Oils.—Pennsylvania lubricants were in fairly good demand although shipments to consuming channels were not as large as those recorded during the middle part of last month. All prices were firm.

Markets at Other Centers

Chicago, June 1.—The tankcar gasoline market is showing additional strength, based on the development of an extremely heavy demand at the outset of the main gasoline consuming season. Inquiries have been brisk, and a large amount of business is involved in the orders currently placed. Kerosene is the outstandingly weak product, with buying decreasing and more offerings. To some extent, Diesel fuel and tractor fuel of special grades are replacing it. Heavy fuel oil business is good, with large consumers taking increased amounts. Lubricating oil business is fairly good.

GASOLINE.—Low octane motor, 4¼c. to 4⅜c. per gallon; 63-66, octane motor, 4½c. to 4⅝c.; 67-69 octane motor, 4¾c. to 4⅞c.; 70-72 octane motor, regular, 5c. to 5⅛c.; 60-62, 400, 4¼c. to 4⅜c.; 64-66, 375, 4¼c. to 4⅜c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 3⅞c. to 4⅛c. per gallon; 41-43, water white, 3¾c. to 4c.

FURNACE OILS.—Range oil, 3⅝c. to 3⅞c. per gallon; No. 1 prime white, 3½c. to 3¾c.; No. 1 straw, 3⅜c. to 3⅝c.; No. 2 straw, 3¼c. to 3½c.; No. 2 dark, 3⅛c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, May 30.—The domestic market maintained the same steady price level during the past week with no change in quoted prices. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5½c.; U. S. motor below 62 octane at 5½c.; 63-67 octane at 5¾c. and 68-70 octane at 6⅜c.—all prices being based on a per gallon rate at refinery.

The price of kerosene remained unchanged at 7⅜c. per gallon at refinery.

Bunker C fuel oil was quoted at 75c. per barrel at terminal and 80c. per barrel delivered alongside, while industrial plants in this vicinity continued to be quoted at $1.36 per barrel, delivered.

Tulsa, June 1.—A large volume of orders for gasoline, together with increasing interest in the industrial fuel oil market, is occupying the attention of refiners. An increase in the consumption of motor fuel over the holiday period, lowering inventories at retail outlets, has stimulated buying in the tank car market this week. These additional orders, and the firmness already prevailing in motor fuel prices throughout the mid-continent, have placed the market in the strongest position of the year, and there has been an advance of ½c. per gallon.

Kerosene has become one of the soft spots in the market, partly due to the large production of third grade by skimming plants in the central western areas, and also due to the more widespread use of regular tractor fuel. Quotations have not receded although concessions are being granted in some quarters.

There is an improvement in the lubricants market this week as offerings overhanging the market have been fairly well cleaned up. Further strengthening of wax has also occurred despite its being the strongest product on the market.

A more general belief that the natural gasoline market is definitely on bottom prevails as a result of the incoming orders being received on a large scale than has been noticeable for the past several weeks. Following are the approximate quotations for the various products traded in the Mid-Continent market on the basis of group three prices:

GASOLINE—The U. S. Motor third grade is 4¼c. to 4½c. per gallon; 63-66 octane grade is 4½c. to 4¾c.; 67-69 grade is 4¾c. to 5c. and 70-72 is 5c. to 5¼c.

NATURAL GASOLINE—Prices are well pegged with 26-60 grade at 2½c. per gallon in Texas and in Oklahoma while 18-55 grade is 2⅞c. to 3c. in Texas and 3c. to 3⅛c. in Oklahoma.

DISTILLATES—The No. 1 prime white is 3½c. to 3¾c. per gallon and the straw 3⅜c. to 3⅝c. The No. 2 straw is 3¼c. to 3½c., with the dark at 3c to 3¼c. Gas oils are 2¾c. to 3c.

KEROSENE—Quotations remain at 3¾c. to 4c. per gallon for the 41-43 grade while 42-44 is 4c. to 4¼c.

FUEL OIL—The 24-28 degree grade is 80c to 95c per barrel while the low cold test is 95c to $1.05. The low gravities below 15 degrees remain at 45c to 65c with quotations firmer.

LUBRICANTS—A better move and stronger quotations developed this week with all grades in good demand. However, actual price changes have not yet developed.

A.P.I. Plans to Dedicate Historical Oil Locations

Dedication of historical oil locations, including discovery wells and sites of original fields and refineries, is being planned by the American Petroleum Institute. Sites of the old Seminole and Bartlesville pools in Oklahoma have already been dedicated by the Mid-Continent Oil and Gas Association, and the petroleum industry has presented to the State of Pennsylvania the Drake Well Memorial Park at Titusville, Pa., on the site of the country's first commercially-productive well. The committee on public relations of the institute will seek the cooperation of historical, oil and local associations in dedicating sites in the twenty-two oil-producing and thirty-five oil-refining States in the country.

Charles J. Gerber, treasurer of the Kellogg Petroleum Company, has been appointed a director of the Buffalo Chamber of Commerce.

P. K. Frolich, director of the chemical laboratories of the Standard Oil Development Company, will discuss "Synthetic Products Manufactured From Petroleum" at Bradford, June 8, and in Oil City, June 9.

Diesel Fuel Produced Synthetically by Germany

Synthetic fuel for high speed Diesel engines is now being produced in Germany on a commercial scale, according to a recent report to the Department of Commerce from the American consulate general in Frankfort-on-Main. The process uses as raw material a mixture of tar oils produced in the coking of bituminous coal and so-called "Kogasin II," a material produced from gasified coke, or carbon monoxide and hydrogen. These materials possess special fuel properties and when mixed complement each other in creating what is said in Germany to be a superior Diesel fuel similar in characteristics to gasoline and benzol when combined in light motor fuel mixtures.

East Texas Oil Field Fire Razes $175.000 Paluxy Plant

Talco, Tex., June 1, 1939

A series of explosions and fire destroyed a $175.000 plant in the refinery of the Paluxy Company and seriously threatened this East Texas oil field town today. The explosions started in a high-pressure cracking unit of the plant where crude oil is reduced to gasoline. Fire spread to ten Paluxy oil storage tanks and only earthen walls prevented the flames from spreading to tanks filled with hundreds of barrels of oil.

N.Y. Paint Club Outing At Hempstead June 8

The New York Paint, Varnish and Lacquer Association will hold its annual sports outing at the Hempstead Golf Club, Hempstead, L. I., June 8. Heading the golf prizes will be the president's cup, donated by M. J. Merkin, of the Merkin Paint Company, and the Harry R. Hillman trophy. Valuable prizes will also be awarded to winners of the tennis tournament. Luncheon will be served from 12 o'clock noon to 2 p. m., with dinner scheduled for 7 p. m. The charge will be $6 per person.

Gasoline Freights Lower

Albany, May 31, 1939

The New York Public Service Commission has approved new commodity freight rates on the following:—

Of the Delaware, Lackawanna & Western on gasoline, blended gasoline, refined oil and petroleum fuel oil distillate, in tank cars, estimated weight 6.6 pounds per gallon, minimum weight subject to Rule 35 of official classificating, from Buffalo stations to Olean on the Pittsburgh, Shawmut & Northern, 10½c. per hundredweight, reduction 2½c. From Solvay and Syracuse to Elmira Heights and Horseheads, 12c. per hundredweight. Reduction from class rates. Effective June 16, 1939.

Del-Mar-Va Fertilizer Association will hold its annual Summer outing in the George Washington hotel, Ocean City, Md., June 24.

Paints Freight Hearing Asked for Central Area

The Central Motor Freight Bureau, an organization of motor carriers operating in the Central area of the United States, has under consideration a suggestion to cancel all commodity rates applicable to movements in paints, varnishes, and allied items, over the lines under its jurisdiction, and place charges on a level with rail charges—Class 55 for less-truckload quantities and Class 35 for truckloads of a minimum of 20,000 pounds.

The bureau has indicated an intention to call a conference of interested shippers to discuss what can be done towards clarifying the situation in the Central territory and adopting a basis that it will be possible to apply uniformly throughout the area without discrimination between shippers and localities. It is pointed out that this is not a question of increasing revenues, although increases will doubtless result, so much as a desire on the part of the carriers to clear up a complex situation that is giving rise to complaints from both their own members and also from their patrons.

Plastic, Coldwater Paint Calcimine Sales Mixed

Sales of plastic and cold-water paints and calcimines reported by sixty manufacturers to the Bureau of Census for April, 1939, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste, casein-bound	62,521	$6,532
All other	45,829	4,941
Dry, casein-bound	341,805	24,449
glue-bound	225,410	10,464
Totals	675,565	$46,386

Cold-Water Paints

	Pounds.	Value.
Exterior, lime or cement-bound	925,123	$69,040
casein-bound	443,652	21,231
Interior, case-bound, paste or semi-paste form	274,191*	316,674
dry powder form	1,547,275	111,921
glue-bound	320,095	8,062
Totals	.....	$526,892

* Gallons.

Calcimines

	Pounds.	Value.
Hot water	3,315,500	$132,313
Cold water	3,109,888	149,739
Totals	6,425,388	$282,052

Sales of these products for April compared with the corresponding period of 1938 were as follows:—

		1939.	1938.
Plastic paints	lbs.	675,565	578,469
	value.	$46,386	$43,617
Cold-water paints	value.	$526,892	$481,282
Calcimines	lbs.	6,425,388	7,348,351
	value.	$282,052	$280,221

Gulf Buys N.Y. and N.J. Outlets

The Gulf Oil Corporation, Pittsburgh, has purchased outright 35 properties owned by the Pure Oil Company in New York and New Jersey, and assumed the leases on one hundred additional properties, it was revealed on June 1. Involved in the deal, it was reported, were ten bulk plants, the remainder being retail outlets.

View 1,000 feet down the No. 2 shaft at Potash Company of America mines near Carlsbad, N. M.
PCA
RED MURIATE
POTASH COMPANY
of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE MORTGAGE GUARANTEE BUILDING ATLANTA, GEORGIA

Fertilizer Materials

Prices for Imported Potash Salts Unchanged Next Season—Discount Rate Available for Prompt Shipment of Material—General Market Quiet—NFA Convention Opens Today

Dullness characterized the market for raw fertilizer materials last week. The holiday in the early part of the week tended to break up the routine of business, and promote further disinterest in offerings. Importers of agricultural potash salts issued their prices for the 1939-1940 season with a 12 percent discount on material ordered for prompt shipment from Europe. The spot price of imported sardine meal was advanced, while blood, imported raw and steamed bone, and tankage were reduced.

Trade in the Midwest was only fair with most buyers showing a tendency to keep their inventories low. There was only a small interest in top dressing material in the lower South, while the only development of consequence in the middle Atlantic States was a firming in the market for organic ammoniates.

Producers, distributors and others in the fertilizer fields were turning their attention toward White Sulphur Springs where the annual convention of the National Fertilizer Association opens today and runs through Wednesday

Mississippi farmers have used 3,557.14 tons more fertilizer this year to date than they had last year at the same time, according to a report from the State Department of Agriculture. The report shows that the total tonnage this years amounts to 230,098.50 to date, compared with 226,521.36 tons during the corresponding period of 1938.

Thirty-two Australian fertilizer factories produced fertilizers valued at £4,940,000 during the 1938-1939 season. This was a sharp gain over immediately preceding years, and the highest figure except for 1929-1930 when production was approximately 10 percent more.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Fish scrap, dried menhaden, 10c. per unit-ton, Chesapeake Bay.
Japanese sardine meal, spot, $1 per ton.

Reduced

Bone, raw, imported, $1 per ton.
steamed, imported, 50c. per ton.
Tankage, unground feeding, 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week	Last month.	Last year.
66.3	**66.3**	**66.3**	**66.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

The market for most fertilizer materials was uneventful although there was still a call for feeding stocks. Blood was fairly well sold up in New York. A few price revisions were made.

Dried Blood.—Domestic material was being offered at $2.60 per unit-ton. f.o.b. New York, compared with a price two weeks ago of $2.60 to $2.75. The price of high-grade ground material stabilized at $2.65 per unit-ton, f.o.b. Chicago, compared with the former price of $2.50 to $2.75.

Fish Scrap.—The spot price for Japanese sardine meal was $48.50 per ton, compared with a former price of $47.50.

Tankage.—The New York price of unground feeding material dropped 10c. and was being offered last week at $3.40 and 10c. per unit-ton.

Potashes

Importers of agricultural potash salts issued prices for the 1939-1940 season which were unchanged from the prices now in force. The prices are subject to a 12 percent discount on material ordered for prompt shipment from Europe. Domestic suppliers were expected to announce their prices for the new season late last week or early this week.

Phosphates

Bone materials were slightly weaker and two price reductions were made. Demand slackened somewhat although feeding stocks were still in good position. Other phosphate materials were unchanged.

Bone Materials.—Imported raw bone was reduced $1 to a level of $24.50 per ton, c.i.f. ports. Imported steamed bone meal was reduced 50c. to $23.50 per ton. c.i.f. ports.

Phosphate Rock.—The market was quiet with no price changes reported.

Sulphur and Pyrites

Small amounts of sulphur were being delivered on contract last week but there was practically no interest in spot offerings. The pyrites market was likewise without feature. All prices continued steady and unchanged at the quoted figures.

Markets at Other Centers

Atlanta, June 1.—Spring application of fertilizers at planting time is over in the South and the interest in top dressing material is slight at this time. Prices of leading fertilizer materials are virtually as quoted last week with only domestic blood showing marked change.

Quotations on leading materials in this market are as follows:—

SUPERPHOSPHATE.—$8.40 per ton, interior producing points.

NITRATE OF SODA.—Bulk, $27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $24.50 to $24.75 per ton, southeastern mills.

BLOOD.—$2.60 per unit. basis Chicago.

TANKAGE.—Foreign, $3.20 and 10c. per unit, port basis.

BONE.—Ground, steamed bone, 3 and 50, $27 to $28 per ton, Chicago.

Baltimore, May 31.—Quiet may be said to prevail in the market for crude fertilizer materials. One development is a firming up in the organic ammoniates, which seem to have reached their low and are now slowly steadying and stiffening. The demand is still without modifications of consequence, but the approach of the buying season may give a positive lift to the trade, with the current quotations about as follows:—

FISH SCRAP.—Further sales of this material have been negotiated during the last week to the extent of perhaps 1,000 tons at an advance of 10 cents per unit-ton, making the latest price $3.35 and 10 per unit-ton against $3.25 and 10, which, in turn, was an advance of 25 cents on the opening quotations of $3 and 10 per unit-ton. Altogether, it is estimated that around 6,000 tons of scrap have been sold on a when-and-if-made, f.o.b., basis. Japanese sardine meal is held at $47 to $47.50 per ton and with the market firm.

TANKAGE.—Stocks of this ammoniate are light, with the market nominally at $3.40 and 10c. per unit-ton for unground feeding material and with fertilizer grades at $3 and 10c. per unit-ton.

DRIED BLOOD.—The last trading in this ammoniate was done at $2.60 per unit-ton for domestic material. South American stocks were held at $2.75 per unit-ton, c.i.f.

SUPERPHOSPHATE.—With the quiet accentuated rather than diminished by the intervention of Memorial Day in the last week, there was no opportunity to determine if the market for this product might undergo a firming up. The nominal figures named stood at $7.50 per ton for run of pile and at $8 per ton for 16 percent milled and screened supplies, and the movement was held down to very small proportions.

NITROGENOUS MATERIAL.—The quotations as to this item remained nominal, with no real test of the market, and with the figures named continuing steady.

BONE.—This ammoniate held its own, as it has during other weeks, with the offerings not at all excessive, and with the buying sufficiently active to prevent any sagging of the market. The quotations stood at $21 per ton for 1 and 60 bone flour, $23 to $24 per ton for 3 and 50 ground steamed and at $26 to $28 per ton for 4½ and 50 ground raw supplies, all c.i.f. for shipment.

Chicago, June 1.—The trade in various grades of fertilizer materials is fair. Material has been moving out on orders at rates that are moderate in some cases to good in others. Blood business is reported fair. Most buyers are conservative in their current operations and seem to be wishing to keep their inventories

—*Continued on page* 68

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

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Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, COALTAR—36 dms, Merck & Co, Gitano, Hull
CRESYLIC—21 dms, Merck & Co, Gitano, Hull
60 dms, W A Foster & Co, American Shipper, Manchester
10 dms, Monsanto Chemical Co, American Shipper, Liverpool
5 dms, American Shipper, Liverpool
PHLOROGLUCIN HYDROCHLORIDE—1 cs, General Dyestuff Corp, Rotterdam, Rotterdam
ADEPS LANAE—5 cks, Th Goldschmidt Corp, Rotterdam, Rotterdam
AGAR AGAR—100 bls, Takamine Corp, Arimasan, Yokohama
20 bls, S B Penick & Co, Arimasan, Kobe
25 bls, McKesson & Robbins, Arimasan, Kobe
45 bls, Mitsui & Co, Arimasan, Kobe
ALCOHOL, DENATURED—380 dms, P R Alcohol Co, Coamo, San Juan
ALOE—100 cs, Wessel, Duval & Co, Astrea, Aruba
50 cs, Wessel, Duval & Co, Astrea, Curacao
36 cs, Peek & Velsor, Trentbank, Aden
ALUMINUM FOIL—30 cs, F P Gaskell Co, Bremen, Bremen
123 cs, Lynch Alcap Corp, Bremen, Bremen
127 cs, Rohner, Gehrig & Co, Normandie, Havre
36 cs, Henri Jaspar, Antwerp
ANISE—63 bgs, Mexico, Vera Cruz
STAR—200 bgs, S B Penick & Co, Nagara, Hongkong
ANTIMONY, LUMP—150 cs, C Gitlau & Co, Tai Pin Yang, Hongkong
ORE—957 bgs, Philipp Bros, Santa Lucia, Arica
1,325 bgs, Santa Lucia, Antofagasta
946 bgs, Bank of London South America, Laila, Antofagasta
ARCHIL LIQUID—3 cks, A De Ronde & Co, Carinthia, Liverpool
ARSENIC, RED—50 dms, American Cyanamid & Chem Co, Henri Jaspar, Antwerp
ARTIST'S MATERIAL—6 cs, Winsor & Newton, Britannic, London
BABASSU KERNELS—8,330 bgs, General Food Corp, Sheridan, Maranhao
3,333 bgs, General Food Corp, Sheridan, Tutoya
BALSAM—4 dms, Dodge & Olcott Co, Santa Paula, Cristobal
15 cs, W R Grace & Co, Quirigua, Cristobal
BARBERRY BARK—39 bgs, R J Prentiss & Co, Clara, Fiume
BARIUM HYDRATE—23 cks, 5 tons, 7 cwts, 2 qtrs, 6 lbs, H Sunheimer, Carinthia, Liverpool
BARYTES—3 cars, United Color Pigment Co, Seatrain New York, Havana
1,081 bgs, Smith Chemical & Color Co, Belvedere, Venice
500 bgs, C B Chrystal & Co, Belvedere, Venice
2,800 bgs, Whittaker Clark & Daniels, Belvedere, Venice
BELLADONNA LEAVES—13 bls, McKesson & Robbins, Clara, Fiume
104 bls, Belvedere, Fiume
BISMUTH, REFD—150 bxs, Cerro de Pasco Copper Corp, Santa Lucia, Callao
BLUE, ULTRAMARINE—4 cs, Standard Ultramarine Co, Gitano, Hull
BONE MEAL—1,100 bgs, Clara, Fiume
340 bgs, Henri Jaspar, Antwerp
BRISTLES—55 cs, Mitsui & Co, Nagara, Dairen
55 cs, S Hirshenhorn & Son, Nagara, Harbin
55 cs, National City Bank, Nagara, Yokohama
25 cs, N Wagman Co, Arimasan, Dairen
151 cs, F H Cone & Co, Arimasan, Dairen
8 cs, Iwai & Co, Arimasan, Kobe
30 cs, S Hirshenhorn & Son, Arimasan, Dairen
13 cs, Chesnut, Cooper & Co, Aquitania, Southampton
2 cs, A Hurst & Co, Tai Ping Yang, Hongkong
73 cs, Corn Exchange Bank, Tai Ping Yang, Hongkong
50 cs, Tai Ping Yang, Hongkong
BURDOCK ROOT—19 bls, 2,200 lbs, J. L. Hopkins & Co, Black Tern, Antwerp
CACTUS—11 cs, Quirigua, Kingston
CALCIUM NITRATE—400 bgs, Synthetic Nitrogen Product Corp, Oslofjord, Berlin
CAMPHOR, REFINED—550 cs, Mitsui & Co, Arimasan, Kobe
55 cs, Iwai & Co, Arimasan, Kobe
CARAWAY SEED—100 bgs, Archibald & Kendell, Rotterdam, Rotterdam
50 bgs, Rotterdam, Rotterdam
100 bgs, M Witsenburg, Rotterdam, Rotterdam
170 bgs, Scanstates, Gdynia
CASSIA—150 bls, G T German, Tai Ping Yang, Hongkong
BROKEN—100 bls, Wood & Selick, Tai Ping Yang, Hongkong
BUDS—100 cs, Tai Ping Yang, Hongkong
ROLLS—100 bls, Tai Ping Yang, Hongkong
CASTOR BEANS—132 bgs, Cristobal, Port au Prince
6,786 bgs, L Dreyfus & Co, Sheridan, Pernambuco
1,670 bgs, Sheridan, Pernambuco
5,585 bgs, Bunge North American Grain Co, Taubate, Santos
5,000 bgs, Baker Castor Oil Co, Taubate, Rio Janeiro
1,700 bgs, Blum Oil Corp, Taubate, Bahia
2,550 bgs, Taubate, Bahia
CELLULOSE ACETATE—2 cks, American Express Co, Hamburg, Hamburg
CHALK, BLOCK—2,350 tons, Taintor Trading Co, Fido, Dunkirk
PRECIPITATED—1,500 bgs, 76 tons, 13 cwt, 2 qtrs, Colgate-Palmolive-Peet Co, Gitano, Hull
CHEMICALS—30 dms, Advance Solvents & Chem Co, Rydboholm, Gothenburg
20 cs, Nagara, Osaka
2 cs, Bremen, Bremen
4 carboys, 2 cs, P C Kuyper & Co, Hamburg, Hamburg
5 cs, Wm Neuberg, Hamburg, Hamburg
8 cs, Schimmel & Co, Hamburg, Hamburg
2 dms, Hamburg, Hamburg
1 ck, Sandoz Chem Works, Normandie, Havre
5 cks, Meadows, Wye & Co, Normandie, Havre
40 bbls, Mercantile Import & Export Co, Rotterdam, Rotterdam
2 cs, Advance Solvents & Chem Co, Rotterdam, Rotterdam
16 cs, Rotterdam, Rotterdam
30 dm^, Sandoz Chem Works, Rotterdam, Rotterdam
CHEMICALS—5 dms, Wm Neuberg, Gripsholm, Gothenburg
1 pkg, Globe Shipping Co, Gripsholm, Gothenburg
100 cs, Bergstrom Trading Co, Gripsholm, Gothenburg
25 bbls, Philipp Bros, Black Tern, Antwerp
200 bgs, Industrial Sales Corp, Black Tern, Antwerp
227 dms, Black Tern, Antwerp
169 cks, Advance Solvents & Chem Co, Oslofjord, Heroen
60 bbls, Scanstate, Gdynia
285 pkgs, 553 cs, Henri Jaspar, Antwerp
PHOTO—1 cs, Heemsoth-Kerner Corp, Hamburg, Hamburg
2 cs, American Express Co, Hamburg, Hamburg
CHROME ORE—9,450 tons, Union Ore Corp, Arfor, Santa Cruz
CINNAMON—150 bls, Volkart Bros, Siamese Prince, Colombo
CLAY—300 bgs, Milton Greenebaum, Rotterdam, Rotterdam
COALTAR INTERMEDIATES—6 dms, General Dyestuff Corp, Bremen, Bremen
8 dms, 7 cks, General Aniline Works, Rotterdam, Rotterdam
120 cks, 22 dms, 3 tins, General Dyestuff Corp, Rotterdam, Rotterdam
COBALT METAL—1 ck, C B Chrystal & Co, Scanstates, Copenhagen
44 cks, Central Trading Corp, Henri Jaspar, Antwerp
OXIDE BLACK—40 kegs, Central Trading Corp, Rydboholm, Vilpuri
60 cks, Central Trading Corp, Henri Jaspar, Antwerp
SULPHATE—50 dms, Central Trading Corp, Henri Jaspar, Antwerp
COCOA BEANS—16 bgs, Pablo Calvet & Co, Emilia, San Juan
300 bgs, Daarnhouwer & Co, Cristobal, South Pacific Ports
500 bgs, General Cocoa Co, Cristobal, South Pacific Ports
1,187 bgs, Curacao Trading Co, Coamo, Trujillo
500 bgs, Medea, Trujillo
388 bgs, Santa Paula, Porto Cabello
512 bgs, D Bacon, Carinthia, Liverpool
2,263 bgs, W & A Leaman, Rotterdam, Rotterdam
460 bgs, Norrfjord, Lisbon
1,000 bgs, Wessel, Kulenkampf & Co, Santa Lucia, Guayaquil
1,000 bgs, W R Grace & Co, Santa Lucia, Manta
250 bgs, Santa Lucia, Manta
1,200 bgs, Quirigua, Cristobal
4,273 bgs, Curacao Trading Co, Ponce, Puerto Plata
710 bgs, Superintendence Co, West Irmo, Lagos
700 bgs, Balfour, Guthrie & Co, West Irmo, Accra
720 bgs, Canadian National Bank, West Irmo, Accra
608 bgs, African Farmers Corp, West Irmo, Accra
3,200 bgs, E & S Co-op Society, West Irmo, Accra
1,600 bgs, E & S Co-op Society, West Irmo, Takoradi
2,250 bgs, Superintendence Co, West Irmo, Takoradi
2,400 bgs, West Irmo, Takoradi
COCONUTS—1,618 bgs, General Food Corp, Emilia, San Jose
85 half bgs, Universal Import & Export Co, Emilia, San Jose
373 bgs, Emilia, San Juan
500 bgs, I L Toledano Corp, Cristobal, Cristobal
67 bgs, Maywin Co, Coamo, San Juan
350 bgs, P R Fruit Exchange, Coamo, San Juan
100 bgs, E A Marketing Co, Coamo, San Juan
40 bgs, Ramon Cerra, Coamo, San Juan
48 bgs, P Tranco, Coamo, San Juan
25 bgs, Coamo, San Juan
1,729 bgs, General Food Corp, Quirigua, Cristobal
132 bgs, G W Cole & Co, Quirigua, Cristobal
250 bgs, Universal Import & Export Co, Quirigua, Cristobal
250 bgs, Bernard Sorotta, Quirigua, Cristobal
COCONUT DESIC—350 cs, Wilbur Ellis Co, Tai Ping Yang, Davao
2,162 pkgs, General Food Corp, Tai Ping Yang, Manila
662 cs, Durkee Famous Food, Tai Ping Yang, Manila
1,185 cs, Wood & Selick, Tai Ping Yang, Manila
1,000 cs, Dodwell & Co, Tai Ping Yang, Manila
COLORS—1 bx, W J Byrnes & Co, Carinthia, Liverpool
9 cks, Wedemann & Godknecht, Normandie, Havre
12 cs, La Manna Azema & Farnam, Normandie, Havre
CERAMIC—1 cs, B F Drakenfeld & Co, Carinthia, Liverpool
EARTH—5 cks, Baltic Shipping Co, Rotterdam, Rotterdam
PIGMENT—3 jugs, General Dyestuff Corp, Rotterdam, Rotterdam
CONDURANGO BARK—25 bgs, Murbas Trading Co, Cristobal, S P ports
COPAIBA BALSAM—56 cs, Sheridan, Manaos
COPPER RESIDUE—270 bgs, Gitano, Hull
CORIANDER SEED—40 bgs, P C Kuyper & Co, Britannic, London
CORK—68 bls, 2 cs, Corp Import Co, Normandie, Havre
150 bls, Stal, Algiers
WASTE—1,350 bls, Armstrong Cork Co, Norrfjord, Lisbon
2,420 bls, Stal, Algiers
WOOD—850 bls, Irving Trust Co, Exermont, Seville
4,674 bls, National City Bank, Stal, Casablanca
50 bls, Clara, Algiers
25 bls, H Suhl, Belvedere, Algiers
CRESOL—20 kgs, Monsanto Chem Co, American Shipper, Manchester
CRYOLITE—5 canisters, Weiss Forwarding Co, Hamburg, Hamburg
CUBE ROOT—50 bls, 8 bgs, Wessel, Duval & Co, Sheridan, Iquitos
500 bls, Astoria Import & Mfg Co, Sheridan, Iquitos
CUBEBS—31 bgs, Siamese Prince, Singapore
CUTTLEFISH BONES—50 cs, Hinton & Co, Belvedere, Venice
DRUGS—6 cs, Rotterdam, Rotterdam
10 cs, Lo Curto & Funk, Scanstates, Gdynia
DYES, ALIZARIN—12 jugs, 23 dms, General Dyestuff Corp, Rotterdam, Rotterdam
ANILIN—23 cks, 1 dm, 1 pkg, General Dyestuff Corp, Bremen, Bremen
1 dm, E I Du Pont de Nemours Co, Carinthia, Liverpool
11 dms, 1 cs, Sandoz Chem Works, Normandie, Havre
18 cks, Geigy Co, Normandie, Havre
59 cns, Ciba Co, Normandie, Havre
11 kgs, 1 cs, Carbic Color & Chem Co, Normandie, Havre
9 cks, Fulton Import & Export Co, Normandie, Havre
1 dm, Rohner, Gehrig & Co, Normandie, Havre
108 cks, 7 dms, 3 cs, General Dyestuff Corp, Rotterdam, Rotterdam
29 dms, Sandoz Chem Works, Rotterdam, Rotterdam
10 dms, L & R Organic Prod Co, Black Tern, Antwerp
FENUGREEK SEED—180 bgs, S B Penick & Co, Exermont, Casablanca
50 bgs, Stal, Alexandria
FISH LIVERS—86 tins, G W Nickerson, Arimasan, Yokohama
GALANGAL ROOT—23 bgs, Peek & Velsor, Nagara, Hongkong
GAMBIER—255 cs, L Littlejohn & Co, Sonnavind, Belawan Deli
260 cs, American Dyewood Co, Sonnavind, Belawan Deli
165 cs, E E Androvette, Siamese Prince, Singapore
GELATIN—2 cs, J P Smith & Co, Carinthia, Liverpool
2 cs, C Happel, Normandie, Havre
1 cs, H W Robinson, Normandie, Havre
GINGER ROOT—204 bgs, Superintendence Co, West Irmo, Freetown
178 bgs, West Irmo, Freetown
GLASS, PLATE—12 cs, Semon, Bache & Co, Black Tern, Antwerp
WINDOW—146 cs, Semon, Bache & Co, Black Tern, Antwerp
25 cs, S G Cole & Co, Henri Jaspar, Antwerp
15 cs, Leo Popper & Sons, Henri Jaspar, Antwerp
14,215 cs, Henri Jaspar, Antwerp
GLUE—2 pkgs, Hamburg, Hamburg
275 bgs, National Adhesive Corp, Carinthia, Liverpool
45 bgs, G H Hemmel, Carinthia, Liverpool
GLUESTOCK—602 bgs, J J Murphy & Co, Carinthia, Liverpool
GRAPHITE—250 bgs, Sonnavind, Colombo
GREASE, LUBRICATING—2 cs, Shell Union Oil Corp, American Shipper, Liverpool
WOOL—50 bbls, 10 tons, 18 cwt, 12 lbs, Carinthia, Liverpool
GUM—5 cs, Hamburg, Hamburg
10 cs, Peek & Velsor, Trentbank, Aden
16 cs, R J Prentiss & Co, Trentbank, Aden
277 bgs, Holland American Line, Rotterdam, Rotterdam
ARABIC—553 bgs, Guaranty Trust Co, Trentbank, Port Sudan
300 bgs, Innis, Speiden & Co, Trentbank, Port Sudan
661 bgs, Thurston & Braidich, Trentbank, Port Sudan
253 bgs, T M Duche & Sons, Trentbank, Port Sudan
150 bgs, France, Campbell & Darling, Trentbank, Port Sudan
COPAL—56 baskets, Manufacturers Trust Co, Siamese Prince, Macassar
136 baskets, 115 bgs, O G Innes Corp, Siamese Prince, Macassar
123 baskets, Mitsui & Co, Siamese Prince, Macassar
92 baskets, France, Campbell & Darling, Siamese Prince, Macassar
70 baskets, W H Scheel, Siamese Prince, Macassar
267 baskets, Van Norden & Archibald, Siamese Prince, Macassar
164 baskets, G W S Patterson & Co, Siamese Prince, Macassar
212 baskets, T G Cooper & Co, Siamese Prince, Macassar
50 bgs Thurston & Braidich, Henri Jaspar, Antwerp
271 bgs, Stroock & Wittenberg, Tai Ping Yang, Manila
DAMMAR—70 bgs, G W S Patterson & Co, Siamese Prince, Macassar
65 bgs, Gillespie-Rogers-Pyatt Co, Siamese Prince, Macassar
38 baskets, S Winterbourne & Co, Siamese Prince, Macassar
130 bgs, American Cyanamid & Chem Co, Siamese Prince, Macassar
200 bgs, 100 cs, G W S Patterson & Co, Siamese Prince, Batavia
840 bgs, O G Innes Corp, Siamese Prince, Singapore
210 bgs, 25 cs, Gillespie-Rogers-Pyatt Co, Siamese Prince, Singapore
350 bgs, 50 cs, G W S Patterson & Co, Siamese Prince, Singapore
420 bgs, 50 cs, Stroock & Wittenburg, Siamese Prince, Singapore
210 bgs, American Cyanamid & Chem Co, Siamese Prince, Singapore
NIGER—40 bgs, Chicle Development Co, West Irmo, Port Harcourt
SANDARAC—7 bbls, O G Innes Corp, Exermont, Casablanca
14 cks, Stal, Casablanca
TRAGACANTH—8 cs, Carinthia, Liverpool
GYPSUM—300 bgs, Hammill & Gillespie, Gitano, Hull
421 bgs, Whittaker, Clark & Daniels, Gitano, Hull
2,575 tons, National Gypsum Co, Vestland, Dingwall
HERBS, MEDICINAL—7 bls, Schenker & Co, Hamburg, Hamburg
60 bls, Hamburg, Hamburg
59 bls, Peek & Velsor, Henri Jaspar, Antwerp
26 bls, S B Penick & Co, Henri Jaspar, Antwerp
HOPS—8 bls, Black Tern, Antwerp
4 bls, Henri Jaspar, Antwerp
ILMENITE SAND—3,300 tons, Sonnavind, Colachel
IRON ORE—Quantity, Lever Bros & Co, American Shipper, Manchester
33 cks, Runko Co, American Shipper, Manchester
9 dms, Reichard Coulston, American Shipper, Liverpool
OXIDE—171 bbls, C J Osborn & Co, Exermont, Malaga
1 bbl, Exermont, Malaga
15 cks, J Lee Smith & Co, Gitano, Hull
55 cks, J Lee Smith & Co, Carinthia, Liverpool
25 cks, 3 kgs, J A McNulty, American Shipper, Manchester
224 bgs, T H Deutz, American Shipper, Liverpool
KAMALA—20 bgs, Trentbank, Calcutta
KYANITE ORE—1 bg, C Taylor & Co, Trentbank, Calcutta
1 bg, R L Pritchard & Co, Trentbank, Calcutta
LECITHIN—10 dms, 11 cs, Hamburg, Hamburg
LICORICE PASTE—30 cs, W M Allison & Co, Clara, Catania
LINAYL-ACETATE—3 dms, Magnus, Mabee & Reynard, Arimasan, Kobe
LYCOPODIUM—10 cs, Rotterdam, Rotterdam
MACE—27 cs, Catz American Co, Siamese Prince, Macassar
14 cs, L A Guido, Siamese Prince, Macassar
20 cs, B H Old & Co, Rotterdam, Rotterdam
MAGNESIA, CALCINED—10 cs, Schofield-Donald Co, Carinthia, Liverpool
CARBONATE—50 cs, 50 cks, 50 bgs, Schofield-Donald Co, Carinthia, Liverpool
STEARATE—6 bgs, Yardley & Co, Britannic, London
MAGNESITE, CALCINED — 25 bgs, Speiden-Whitfield Co, Rotterdam, Rotterdam
MANGANESE ORE—10 bgs, Cuban-American Manganese Corp, Ponce, San Juan
5 bgs, General Dry Batteries Co, Ponce, San Juan
MANGROVE BARK EXTRACT — 1,000 bgs, Siamese Prince, Singapore
MATCHES, SAFETY—715 ctrs, New York Match Co, Kungeholm, Gothenburg
2,300 ctrs, New York Match Co, Gripsholm, Gothenburg
MATE—48 bls, N Y World's Fair, Taubate, Rio Janeiro
MEDICINAL PREPS—25 cs, E Fougera & Co, Normandie, Havre
2 cs, T Scott & Co, Normandie, Havre
7 cs, Hoffman-La Roche, Normandie, Havre
4 cs, Gane & Ingram, Normandie, Havre
MENTHOL—25 cs, Mitsui & Co, Arimasan, Kobe
20 cs, Theo Seltzer, Normandie, Havre
METHYL POLYETHANOLAMINE — 6 cks, General Aniline Works, Black Tern, Rotterdam
MICA—85 cs, Philadelphia National Bank, Trentbank, Calcutta
49 cs, Gillespie-Rogers-Pyatt Co, Trentbank, Calcutta
39 cs, Trentbank, Calcutta
BLOCK—149 cs, Trentbank, Calcutta
FILM—16 cs, Trentbank, Calcutta
SLAB—1 cs, Philadelphia Natl Bank, Trentbank, Calcutta
SPLITTINGS—12 cs, E J Cornelis, Trentbank, Calcutta
150 cs, Trentbank, Calcutta
WASTE—817 bgs, Trentbank, Calcutta
MINERAL ORE—20 dms, Door Co, Quirigua, Cristobal
2 dms, American Cyanamid & Chem Co, Quirigua, Cristobal
MOULDING POWDER—5 cs, Ordell Co, California, Glasgow
MURU MURU KERNELS—1,694 bgs, General Food Corp, Sheridan, Para
MUSTARD SEED—150 bgs, B H Old & Co, Rotterdam, Rotterdam
MYROBALANS—1,800 pockets, Trentbank, Calcutta
EXTRACT—500 bgs, International Product Corp, Gitano, Hull
NAPHTHALENE—500 bgs, Black Tern, Antwerp
2,000 bgs, Black Tern, Rotterdam
NUTGALLS—338 bgs, Belvedere, Tunis
NUTMEGS—112 bgs, Catz American Co, Siamese Prince, Semarang
NUX VOMICA—444 bgs, Siamese Prince, Saigon
270 bgs, Trentbank, Madras
OIL—45 cs, C H Arnold & Co, Normandie, Havre
ALMOND—2 cs, Ungerer & Co, Britannic, London
ANISE—10 dms, W J Bush & Co, Tai Ping Yang, Hongkong
10 dms, P R Dreyer, Tai Ping Yang, Hongkong
5 dms, Lehn & Fink Products Corp, Tai Ping Yang, Hongkong
10 dms, A Chiris Co, Tai Ping Yang, Hongkong
BERGAMOT—5 cs, J B Horner, Clara, Messina
295 cs, Lo Curto & Funk, Clara, Messina
75 cs, Lo Curto & Funk, Belvedere, Messina
CAMPHOR—12 dms, Chase National Bank, Nagara, Yokohama
10 dms, Givaudan-Delawanna, Nagara, Yokohama
12 dms, Continental Bank Trust Co, Nagara, Yokohama
10 dms, Guaranty Trust Co, Nagara, Yokohama
CANANGA—3 dms, Continental Bank Trust Co, Siamese Prince, Batavia
2 dms, Siamese Prince, Batavia
CHINAWOOD—98 tons, Bank of California, Natl Assn, Tai Ping Yang, Hongkong
95 tons, Pacific Vegetable Oil Corp, Tai Ping Yang, Hongkong
CINNAMON LEAF—5 dms, Barber S S Line, Trentbank, Port Said
7 dms, Murphy & Bese Co, Trentbank, Port Said
CITRONELLA—66 dms, J F Frank, Siamese Prince, Batavia
18 dms, Siamese Prince, Batavia
4 dms, Fritzsche Bros, Siamese Prince, Batavia
14 dms, Geo Uhe Co, Siamese Prince, Batavia
COCONUT—891 tons, Guaranty Trust Co, Siamese Prince, Manila
364 tons, Philippine Refining Corp, Arimasan, Cebu
600 tons, Mitsui & Co, Arimasan, Manila
800 tons, Philippine Refining Corp, Tai Ping Yang, Manila
COD—62 cks, Bowring & Co, Fort Amherst-St Johns
200 dms, Oslofjord, Oslo
CODLIVER—300 dms, National Oil Product Co, Gitano, Hull
670 dms, McKesson & Robbins, Gitano, Hull
250 dms, Gitano, Hull
261 dms, Gunning & Gunning, Scanstates, Copenhagen
225 dms, Scanstates, Copenhagen
COTTONSEED—1,899 tons, Gillespie & Co, Moira, Cabedello
CROTON—3 cs, Fritzsche Bros, Hamburg, Hamburg
ESSENTIAL—18 dms, Pastores, Puerto Barrios
10 cs, 2 dms, Britannic, London
22 cs, Normandie, Havre
FUEL—24,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
94,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
84,000 bbls, Standard Oil Co of N J, Prometheus, Aruba
108,000 bbls, Standard Oil Co of N J, Esso New Orleans, Aruba
GERANIUM—2 dms, Roura Dupont, Stal, Algiers
LEMON—75 cs, J B Horner, Clara, Messina
100 cs, Geo Lueders & Co, Clara, Messina
200 cs, Lo Curto & Funk, Clara, Messina

OIL, LEMON—50 cs, Dodge & Olcott Co, Belvedere, Messina
46 cs, Orbis Trading Corp, Belvedere, Messina
169 cs, Lo Curto & Funk, Belvedere, Messina
LIME—10 cs, Barclay Bank, Quirigua, Kingston
LUBRICATING—240 dms, Webbal Service, Black Tern, Antwerp
45 dms, Henri Jaspar, Antwerp
MANDARIN—10 cs, Dodge & Olcott Co, Belvedere, Messina
OLIVE—100 dms, Commi Bank of Greece, Exermont, Calamata
50 dms, Bonoil Packing Corp, Exermont, Yera
150 dms, Venice Import Co, Exermont, Yera
70 dms, Manufacturers Trust Co, Exermont, Malaga
75 dms, Leghorn Trading Co, Exermont, Malaga
25 dms, Sterling Natl Bank, Exermont, Seville
50 dms, Lekas & Drivas, Exermont, Seville
275 dms, 200 cs, Exermont, Seville
485 cs, 45 dms, Norefjord, Seville
25 dms, Commi Bank of Greece, Stal, Piraeus
200 bbls, Leghorn Trading Co, Stal, Piraeus
100 bbls, Stal, Piraeus
39 cs, Clara, Bari
45 cs, Clara, Catania
110 cs, Clara, Palermo
325 cs, Clara, Algiers
31 cs, Belvedere, Messina
500 cs, Belvedere, Algiers
ORANGE—25 cs, Geo Luecders & Co, Clara, Messina
6 dms, Naugatuck Aromatics, West Irmo, Freetown
53 dms, West Irmo, Freetown
25 cs, Dodge & Olcott Co, Belvedere, Messina
PALM—63 dms, Balfour, Guthrie & Co, Rotterdam, Rotterdam
RAPESEED—304 tons, Mitsui & Co, Nagara, Kobe
50 dms, Gitano, Hull
SASSAFRAS—37 dms, Orbis Product Corp, Arimasan, Kobe
23 dms, Norda Essential Oil & Chem Co, Arimasan, Kobe
23 dms, Givaudan-Delawanna, Arimasan, Kobe
SULPHUR—344 bbls, Belvedere, Trieste
TEASEED—100 dms, Manufacturers Trust Co, Nagara, Shanghai
393,910 lbs, Leghorn Trading Co, Tai Ping Yang, Hongkong
50 dms, East Asiatic Co, Tai Ping Yang, Shanghai
94 tons, Leghorn Trading Co, Tai Ping Yang, Shanghai
VITIVER—1 dm, Siamese Prince, Batavia
ORANGE PEEL—111 bgs, Transmarine Mercantile Corp, Santa Paula, Cape Haitien
40 bls, Clara, Catania
PASTILLES—18 cs, E Fougera & Co, Britannic, London
PEATMOSS—3,600 bls, 300 half bls, Hamburg, Hamburg
1,275 bls, Halfmoon Manufacturing & Trading Co, Rotterdam, Rotterdam
2,631 bls, C K Ketzel, Rotterdam, Rotterdam
350 bls, Premier Peatmoss Corp, Rotterdam, Rotterdam
600 bls, New Amsterdam Import & Supply Co, Rotterdam, Rotterdam
200 bls, E Bremerman & Co, Rotterdam, Rotterdam
PEPPER, BLACK—7,175 bgs, Commodities Trading Corp, Sonnavind, Oosthaven
1,376 bgs, Catz American Co, Siamese Prince, Oosthaven
516 bgs, Catz American Co, Siamese Prince, Batavia
PETROLEUM, CRUDE—42,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
69,975 bbls, Standard Oil Co of N J, G H Jones, Guiria
82,000 bbls, Standard Oil Co of N J, Thalia, Aruba
62,489 bbls, Asiatic Petroleum Corp, Lustrous, Las Piedras
PHOSPHORUS, RED—20 cs, Mitsui & Co, Tai Ping Yang, Shanghai
PICHI LEAVES—48 bgs, Duncan Fox & Co, Frida, Talcahuano
PIMENTO—223 bgs, Barclay Bank, Quirigua, Kingston
100 bgs, E H Cousins, Gitano, Hull
POPPYSEED—150 bgs, Rotterdam, Rotterdam
100 bgs, M Witsenburg, Rotterdam, Rotterdam
200 bgs, Scanstates, Gdynia
POTASH CHLORATE—35 bbls, Bergstrom Trading Co, Rydboholm, Gothenburg
300 dms, Charles Hardy, Black Tern, Antwerp
PRUSSIATE—20 cks, Rotterdam, Rotterdam
PYRETHRUM FLOWERS—125 bls, McKesson & Robbins, Arimasan, Kobe
125 bls, S B Penick & Co, Arimasan, Kobe
124 bls, Trust Co of North America, Taubate, Rio Janeiro
QUICKSILVER — 70 flasks, Chase National Bank, Mexico, Vera Cruz (option Antwerp)
RADIUM—1 cs, Radium Chem Co, Henri Jaspar, Antwerp
RESIN—34 cs, Astoria Import & Mfg Co, Sheridan, Iquitos
75 cs, Sheridan, Iquitos
RICE FLOUR—100 hlf bgs, Halfmoon Mfg & Trading Co, Rotterdam, Rotterdam
SAFFLOWERS—22 bgs, S B Penick & Co, Trentbank, Port Said
SAFFRON FLOWERS—31 bgs, Mexico, Vera Cruz
SALTPETER—500 bgs, Hamburg, Hamburg
SARSAPARILLA ROOT—10 bls, Mexico, Vera Cruz
7 bls, Barclay Bank, Quirigua, Kingston
SEED, MEDICINAL—77 bgs, P H Petry & Co, Hamburg, Hamburg
SENNA LEAVES—25 bls, J L Hopkins & Co, Trentbank, Tuticorin
40 bls, Trentbank, Port Sudan
PODS—51 bls, S B Penick & Co, Trentbank, Calcutta
SHELLAC—400 bgs, Ralli Bros, Trentbank, Calcutta
200 bgs, E E Androvette, Trentbank, Calcutta
20 cs, Trentbank, Calcutta
SEEDLAC—200 bgs, Commi Natl Bank, Trentbank, Calcutta
325 bgs, Gillespie Rogers Pyatt Co, Trentbank, Calcutta
200 bgs, E E Androvette, Trentbank, Calcutta
300 bgs, Ralli Bros, Trentbank, Calcutta
SILVER PRECIP—12 bgs, Bank of London South America, Lalla, Antofagasta
SOAP BARK—751 bls, Duncan, Fox & Co, Lalla, San Antonio
SOAP—47 cs, Concentrate Mfg Co, Normandie, Havre
15 cs, R F Downing & Co, Aquitania, Southampton
BASE—205 cs, Yardley & Co, Britannic, London
INDUSTRIAL—10 dms, R F Downing & Co, Britannic, London
TOILET—3 cs, E Fougera & Co, Britannic, London
7 cs, B Altman & Co, Aquitania, Southampton
SODA SILICOFLUORIDE—50 bbls, F H Taussig, Scanstates, Copenhagen
SOOT—45 bgs, California, Glasgow
SPONGES—8 bls, Lancastria, Nassau
7 bls, S Vollman & Sons, Oriente, Havana
1 bl, W A Fenton & Co, Mexico, Havana
37 bls, Mexico, Havana
REFUSE—44 bls, Mexico, Havana
SQUILL, BULBS—109 bgs, Clara, Bari
STARCH, POTATO—250 bgs, Stein, Hall & Co, Rotterdam, Rotterdam
STEARIN—60 bgs, Manufacturers Chem Co, Black Tern, Antwerp
PITCH—75 dms, Leitch Mfg Co, Gitano, Hull
251 dms, A V Berner & Co, Gitano, Hull
27 dms, American Shipper, Manchester
SUMAC—700 bgs, Clara, Catania
TALC—300 bgs, Chase National Bank, Nagara, Dairen
TAMARINDS—10 bxs, E A Marketing Co, Coamo, San Juan
TALLOW—32 bbls, Emilia, San Juan
TAPIOCA, FLOUR—2,206 bgs, Chase National Bank, Siamese Prince, Pasoeroean
250 bgs, Siamese Prince, Sourabaya
3,150 bgs, Stein, Hall & Co, Siamese Prince, Cheribon
4,200 bgs, Balfour, Guthrie & Co, Siamese Prince, Pamanoekan
505 bgs, Stein, Hall & Co, Siamese Prince, Batavia
TARTAR—278 bgs, Clara, Naples
267 bgs, W R Grace & Co, Santa Lucia, San Antonio
TEAWASTE—1,008 bgs, Britannic, London
TUCUM KERNELS—781 bgs, General Food Corp, Sheridan, Tutoya
UMBER—50 cks, 8 tons, 3 qtrs, 16 lbs, Whittaker, Clark & Daniels, Carinthia, Liverpool
VALONIA—334 bgs, Stal, Izmir
EXTRACT POWD — 608 bgs, International Product Corp, Exermont, Yera
VANILLA BEANS—11 cs, National City Bank, Normandie, Havre
62 cs, Thurston & Braidich, Mexico, Vera Cruz
44 cs, F Huber & Co, Mexico, Vera Cruz
VARNISH — 8 bbls, Ellerman Wilson Line, Gitano, Hull
WATER, MINERAL—200 cs, F H Leggett & Co, Britannic, London
110 cs, R C Williams & Co, Britannic, London
250 cs, American Agency French Vichy, Normandie, Havre
25 cs, Hertzwig Trading Co, Tripsholm, Gothenburg
WAX, BEES—11 bgs, Schutte & Focke, Coamo, Trujillo
6 seroons, 20 bgs, Porcella, Vicini & Co, Coamo, Trujillo
9 bls, Mecke & Co, Astrea, Curacao
7 seroons, Porcella, Vicini & Co, Astrea, Monte Cristi
111 bgs, Wessel, Duval & Co, Sheridan, Bahia
104 pkgs, Chase Natl Bank, Norefjord, Lisbon
123 blocks, J W Elwell & Co, Norefjord, Lisbon
47 pkgs, Norefjord, Lisbon
15 bgs, Olavarria & Co, Mexico, Havana
48 bgs, Taubate, Santos
55 bgs, Wessel, Duval & Co, Taubate, Rio Janeiro
100 bgs, D Steengrafe, Taubate, Rio Janeiro
671 bgs, Taubate, Rio Janeiro
CARNAUBA—214 bgs, Chase National Bank, Sheridan, Bahia
33 bgs, Lenape Trading Co, Sheridan, Ceara
56 bgs, Innis, Speiden & Co, Sheridan, Ceara
112 bgs, Philadelphia National Bank, Sheridan, Ceara
112 bgs, W M Allison & Co, Sheridan, Tutoya
125 bgs, Innis, Speiden & Co, Sheridan, Tutoya
125 bgs, Strahl & Pitsch, Sheridan, Tutoya
76 bgs, American Cyanamid & Chem Co, Sheridan, Tutoya
776 bgs, Strohmeyer & Arpe Co, Sheridan, Tutoya
550 bgs, Bank of London & South America, Sheridan, Tutoya
447 bgs, Sheridan, Tutoya
221 bgs, W R Grace & Co, Taubate, Rio Janeiro
56 bgs, American Cyanamid & Chem Co, Taubate, Rio Janeiro
248 bgs, Taubate, Rio Janeiro
170 bgs, Taubate, Bahia
MINERAL—1 bg, General Dyestuff Corp, Rotterdam, Rotterdam
VEGETABLE—150 cs, American Cyanamid & Chem Co, Nagara, Moji
25 cs, A Hurst & Co, California, Glasgow
405 cs, Sheridan, Para
150 cs, P A Dunkel & Co, Arimasan, Kobe
100 cs, W M Allison & Co, Arimasan, Kobe
500 cs, Mitsui & Co, Arimasan, Kobe
WOODFLOUR—84 bgs, Innis, Speiden & Co, Rydboholm, Gothenburg
300 bgs, B L Soberski, Oslofjord, Fredrikstad
YEAST—40 bbls, Hamburg, Hamburg
ZINC OXIDE—5 bgs, Yardley & Co, Britannic, London

New York Transit Imports

CAMPHOR, CRUDE—50 cs, Auburn Button Works, Nagara, Keelung, Auburn
500 cs, Eastman Kodak Co, Nagara, Keelung, Rochester
CHEMICALS—1 cs, Eli Lilly & Co, Oriente, Havana, Indianapolis
GELATIN, SHEET—108 cs, Eastman Kodak Co, Rotterdam, Rotterdam, Rochester
OIL, CODLIVER—75 dms, Gitano, Hull, Dayville, Conn
ESSENTIAL—6 cs, Mexico, Vera Cruz, Philadelphia
OLIVE—60 dms, 100 cs, Exermont, Seville, Chicago
10 dms, Exermont, Seville, Toledo
20 dms, 25 cs, Exermont, Seville, Pittsburgh
70 dms, Exermont, Seville, Cincinnati
PERILLA—766 tons, National City Bank, Nagara, Dairen, Cleveland
POTASH, SULPHOCYANIDE—44 kegs, 4 tons, 11 cwt, 3 qtrs, 13 lbs, Carinthia, Liverpool, Rochester
SAFFRON FLOWERS—13 cs, Parke, Davis & Co, Mexico, Vera Cruz, Detroit
SPONGES—11 bls, Lancastria, Nassau, Kobe
4 bls, Mexico, Havana, Buenos Aires
6 bls, Mexico, Havana, Havre
21 bls, Mexico, Havana, Chicago
REFUSE—15 bls, Mexico, Havana, Buenos Aires
13 bls, Mexico, Havana, Havre
5 bls, Mexico, Havana, Chicago
VANILLA BEANS—27 cs, Zink & Triest, Mexico, Vera Cruz, Philadelphia
76 cs, M Cortizas Co, Mexico, Vera Cruz, Philadelphia

Baltimore Imports

ARSENIC—147 csks, General Chemical Co, Lehigh, Hamburg
BONEMEAL—2,537 bgs, Lehigh, Hamburg
1,108 bgs, Lehigh, Bremen
CHEMICALS—600 bgs, Artigas, Glasgow
154 csks, Black Heron, Rotterdam
400 bgs, Black Heron, Antwerp
CLAY—3,750 bgs, Exmouth, Bona
60 csks, Lehigh, Bremen
COBALT OXIDE—45 csks, Balto & Ohio R R Co, Black Heron, Antwerp
COCONUT, DESIC—100 cs, Hokuroku, Davao
FERROMANGANESE—200 tons, Frank Samuel Co, Tortugas, Bamble
IRON ORE—21,800 tons, Bethlehem Steel Co, Lebore, Cruz Grande
OXIDE—5 bgs, Artigas, Liverpool
MANGANESE ORE—3,000 tons, Thule, Rio Janeiro
3,700 tons, Pencarrow, Poti
MEDICINAL PREPS—25 cs, Black Heron, Rotterdam
OIL, FUEL—110,000 bbls, Standard Oil Co of N J, Victor Ross, Aruba
OLIVE—334 dms, Exmouth, Sfax
334 dms, Exmouth, Sousa
PEATMOSS—800 bls, Lehigh, Bremen
1,665 bls, Lehigh, Hamburg
700 bls, W G Scarlett Co, Black Heron, Rotterdam
POTASH, CHLORATE—75 dms, Ch Hardy, Black Heron, Antwerp
SALTPETER—200 bgs, Lehigh, Bremen
WATER, MINERAL—285 cs, F H Shallus Co, Black Heron, Antwerp
WOOLGREASE—12 bbls, Artigas, Liverpool

Boston Imports

ASPHALT—102 bgs, 11,200 lbs, Luria Steel & Trading Corp, Goolistan, Buenos Aires
BAUXITE—2,231 tons, Aluminum Union, Gunvor, Georgetown
BONES—471 bgs, 50,717 lbs, Goolistan, Buenos Aires
261 bgs, 32,979 lbs, Wilson & Co, Goolistan, Buenos Aires
CASEIN—84 bgs, 11,112 lbs, Tupman, Thurlow & Co, Goolistan, Buenos Aires
CASSIA—240 bls, Catz American Co, Tabinta, Padang
CHINA CLAY—1,601 tons, English China Clays Sales Corp, Askild, Fowey
294 tons, Moore & Munger, Askild, Fowey
150 cks, L A Salomon & Bros, American Shipper, Liverpool
COCOA BEANS—750 bgs, Middleton & Co, Gunvor, Port of Spain
750 bgs, Wessels, Kulenkampf & Co, Gunvor, Port of Spain
200 bgs, Gunvor, Port of Spain
753 bgs, Afram Trading Corp, Eisenach, Hamburg
600 bgs, Nieschlag Co, Frankfort, Cristobal
250 bgs, Wessels, Kulenkampf & Co, Frankfurt, Cristobal
500 bgs, W R Grace & Co, Frankfurt, Cristobal
COLOR, DRY—1 cs, Croxall Chemical & Supply Co, Carinthia, Liverpool
FISH LIVERS, HALIBUT—17 cs, from Nova Scotia
GLUE, MARINE PITCH—27 dms, 2 crts, L W Ferdinand & Co, American Merchant, London
GLUESTOCK, FISH—1 bbl, 2 pkgs, 20 bxs, J R Poole Co, Yarmouth, Yarmouth
HIDE—146 bgs, 10 tons, 3 cwt, 1 qtr, 21 lbs, First National Bank, Carinthia, Liverpool
479 bgs, Atlantic Gelatine Co, American Shipper, Liverpool
GUM, COPAL—67 bskts, W H Scheel, Siamese Prince, Macassar
INDUSTRIAL—50 cks, J P Marston Co, Carinthia, Liverpool
LOCUST BEAN—52 bgs, President Monroe, Naples
INSECTICIDE—2 cs, Davies-Turner Co, American Merchant, London
IRON, OXIDE—20 cks, J A McNulty, American Shipper, Manchester
470 bgs, 40 dms, Reichard-Coulston, American Shipper, Liverpool
LEAVES, MEDICINAL—96 bgs, President Monroe, Genoa
36 bls, 15 bgs, President Monroe, Marseilles
MACE—14 cs, Catz American Co, Siamese Prince, Macassar
MEDICINAL PREPS—7 cs, United Drug Co, Carinthia, Liverpool
7 cs, Sun Lee Chong, President Monroe, Hongkong
3 cs, Laong Jung, President Monroe, Hongkong
MICA SPLITTINGS—153 cs, Guaranty Trust Co, Trentbank, Calcutta
50 cs, Gillespie, Rogers, Pyatt Co, Trentbank, Calcutta
125 cs, Philadelphia National Bank, Trentbank, Calcutta
OIL, COAL—47 dms, First National Bank, American Shipper, Manchester
COCONUT — 474 tons, Philippine Refining Corp, Siamese Prince, Cebu
COD—79 bbls, from Nova Scotia
PALM—92 cks, Maynard & Child, American Shipper, Liverpool
PEANUT—10 cs, Laong Jung, President Monroe, Hongkong
PEATMOSS—500 bls, L E Page Co, Eisenach, Bremen
300 bls, 100 half bls, Atkins & Durbrow, Eisenach, Bremen
1,000 bls, 100 half bls, Eisenach, Bremen
PEPPER, BLACK—243 bgs, Siamese Prince, Batavia
WHITE—80 bgs, Tabinta, Tandjong-Priok
PUMICE—400 bgs, Lucia C, Canneto
QUEBRACHO EXTRACT—14,427 bgs, 1,569,902 lbs, American Tanners, Goolistan, Buenos Aires
ROSIN—2 dms, 1 cs, McLaughlin & Freeman, American Merchant, London
SHELLAC—50 bgs, 8,421 lbs, J H Shroeder Banking Corp, Eisenach, Hamburg
SOAP, TOILET—25 cs, S S Pierce Co, American Merchant, London
5 cs, American Express Co, American Merchant, London
40 cs, T D Downing Co, American Merchant, London
2 cs, E D Zeigler, American Merchant, London
SODA, NITRATE—25 cks, 14,962 lbs, Irving M Sobin Co, Eisenach, Hamburg
SUMAC LEAF—80 bls, Lucia C, Palermo
TANKAGE—2,000 bgs, 220,460 lbs, Goolistan, Montevideo
TAPIOCA FLAKE SIFTINGS—142 bgs, National City Bank, Tabinta, Sourabaya
FLOUR — 1,103 bgs, Minute Tapioca Co, Siamese Prince, Pasoeroean
2,140 bgs, Balfour, Guthrie & Co, Siamese Prince, Pamanoekan
1,103 bgs, Tabinta, Pasoeroean
713 bgs, Tabinta, Cheribon
TARTAR—37 sks, First National Bank, President Monroe, Marseilles
WATER, MINERAL—70 cs, S S Pierce Co, American Merchant, London
WAX, MONTAN—3,000 bgs, 462,966 lbs, Strohmeyer & Arpe Co, Eisenach, Hamburg
WOOD PRESERVATIVE—15 kgs, 16 cwt, 2 qtrs, 12 lbs, Cuprinol, Inc, Carinthia, Liverpool

Gloucester Imports

GLUESTOCK, FISH—112,674 lbs, Rogers Isinglass & Glue Co, Accuracy, Halifax
387 bgs, 9 bbls, 33,093 lbs, from Nova Scotia

Houston Imports

COCONUTS—100 bgs, Chester Valley, Arroyo
MEDICINE—1 bbl, Chester Valley, Arroyo
OIL CREOSOTE—2,700 tons, Havsten, Novorossisk
PEATMOSS—2,320 bgs, 825 bbls, Boschdijk, Rotterdam
PETROLEUM, CRUDE—35,562 bbls, Aztec, Tuxpam
QUEBRACHO EXTRACT—1,500 bgs, Delplata, Buenos Aires
SODA, CHLORATE—2,000 dms, Boschdijk, Antwerp
TANKAGE, ANIMAL—700 bgs, Delplata, Buenos Aires

Los Angeles Imports

AGAR AGAR—300 lbs, President Taft, Tokyo
ALUMINUM SILICATE ORE—91,840 lbs, Silverpalm, Calcutta
ANTIMONY ORE—85,000 lbs, from Iguala, Mexico
ARSENIC, RED—5,510 lbs, Fella, Marseilles
BABASSU KERNELS—11,684 bgs, 1,545,510 lbs, West Camargo, Maranhao
CALCIUM NITRATE—33,492 bgs, 3,348,800 lbs, Benj Franklin, Oslo
CASSIA—6,000 lbs, Pleasantville, Hongkong
CHEMICAL SALT—3,850 lbs, Asama, Yokohama
CHILLIES—2,000 lbs, Arimasan, Kobe
CLOVES—9,010 lbs, Silverpalm, Macassar
COALTAR, DEHYDRATED—149 dms, 74,500 lbs, Corrientes, London
COCOANUT DESIC—1,435 pkgs, 170,130 lbs, Pleasantville, Manila
471 cs, 59,830 lbs, Pleasantville, Philippine Islands
75 cs, 9,750 lbs, Silverpalm, Philippine Islands
COLORS, ARTIS. S—56 lbs, San Jose, Paris
COPRA—1,288,000 lbs, Silverpalm, Cebu
1,120,000 lbs, Sagoland, Manila
MEAL—8,300 bgs, 830,000 lbs, Silverpalm, Manila
CRAYONS—50 lbs, San Jose, Paris
CRYOLITE—353 bgs, 44,800 lbs, Schwaben, Dresden
FLAXSEED—271 bgs, 50,000 lbs, Nagara, Dairen
3,300 bgs, 610,500 lbs, Arimasan, Tientsin
GINSENG ROOT—10 lbs, from Keijo, Chosen
GLASS, SHEET—30 cs, 8,500 lbs, Fella, Leghorn
110 cs, Schwaben Loedelinsart, Belgium
WINDOW—31 pkgs, 6,580 lbs, San Jose, Brussels
GUM, COPAL—7,060 lbs, Silverpalm, D E I
84 bskts, 16,280 lbs, Silverpalm, Macassar
DAMMAR—680 lbs, Silverpalm, Borneo
5,600 lbs, Silverpalm, Singapore
TRAGACANTH—2,170 lbs, Schwaben, Hamburg
GYPSUM, CRUDE—8,021,440 lbs, Griffco, San Marcos
HEMPSEED MEAL—3,500 bgs, 350,000 lbs, Norden, Kobe
INSECTICIDE—600 lbs, Asama, Kobe
LEAD ACETATE—25 cks, 13,780 lbs, Schwaben, Hamburg
MARMITE EXTRACT—2,240 lbs, from London
MEDICINAL PREPS—220 lbs, Arimasan, Yokohama
10 lbs, President Taft, Kobe
470 lbs, from Belfast
MUSTARD SEED—150 pkgs, 16,540 lbs, Schwaben, Copenhagen
NUTMEGS—8,000 lbs, West Camargo, Port of Spain
7,060 bs, Silverpalm, Banda
5,640 lbs, Silverpalm, Macassar
OCHER, POWD—10,000 lbs, Fella, Marseilles
OIL, CODLIVER—50 bbls, 11,250 lbs, Benj Franklin, Bergen
75 pkgs, 26,390 lbs, Benj Franklin, Bergen
ESSENTIAL—5 lbs, from Paris
EUCALYPTUS—2,110 lbs, Monterey, Melbourne
MINERAL—90 dms, Schwaben, Antwerp
OLIVE—40 dms, 18,310 lbs, from Athens
50 dms, 2,250 lbs, Fella, Marseilles
150 cs, 15,310 lbs, Fella, Genoa
55 cs, 5,720 lbs, Fella, Leghorn
125 dms, 56,620 lbs, Fella, Malaga
PALM—1,670 lbs, Corrientes, London
PEANUT—2,160 lbs, President Taft, Hongkong
PEANUT WASTE—216 tcs, 98,550 lbs, Kingsley, Vancouver
PEATMOSS—738 bls, 73,920 lbs, Benj Franklin, Malmo
200 bls, 27,310 lbs, Schwaben, Copenhagen
PAPRIKA—2,750 lbs, Schwaben, Budapest
125 pkgs, Schwaben, Budapest
6,820 lbs, from Budapest
PARAFFIN—2 pkgs, 280 lbs, San Jose, Cristobal
1,200 bgs, 168,000 lbs, Silverpalm, Balik Papan
PEANUT MEAL—1,000 bgs, 200,000 lbs, Norden, Tsingtao
POTASH HYDROXIDE—10 dms, 5,510 lbs, Axel Johnson, Gothenburg
QUEBRACHO EXTRACT—20 bgs, 2,100 lbs, Brandanger, Argentina
400 bgs, 42,990 lbs, West Camargo, Buenos Aires
RESIN VINYL—1,000 lbs, From Montreal
RICE FLOUR—500 lbs, Arimasan, Yokohama
240 lbs, Norden, Yokohama
SEAWEEDS—180 lbs, Asama, Kobe
80 lbs, President Taft, Kobe
SESAME SEED—50 bgs, 10,000 lbs, Tai Ping Yang, Hongkong
SHELLAC—20 bgs, 8,200 lbs, Silverpalm, Calcutta
SIENNA—4,650 lbs, Fella, Rome
SOAP, SOFT—4,410 lbs, Benj Franklin, Oslo
SODA SILICOFLUORIDE—50 bgs, 10,910 lbs, Schwaben, Copenhagen
STARCH, POTATO—480 lbs, President Taft, Kobe
TOILET PREPS—20 lbs, Asama, Kobe
200 lbs, from London
UREA—1,000 pkgs, 100,800 lbs, Schwaben, Berlin
VARNISH—910 lbs, San Jose, Paris

Mobile Imports

BAUXITE ORE, CRUSHED AND DRIED
3,751 tons, Gunny, Paramaribo

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New Orleans Imports

ARSENIC—110 bbls, Freedijk, Rotterdam
BAUXITE ORE—2,310 tons, Aluminum Ore Co, Austvangen, Paramaribo
808 tons, Aluminum Ore Co, Austvangen, Port of Spain
2,105 tons, Aluminum Ore Co, Rio Branco, Paramaribo
2,062 tons, Aluminum Ore Co, Rio Branco, Port of Spain
BONE, FLOUR—3,250 sx, Chase National Bank, Breedijk, Rotterdam
1,544 sx, Breedijk, Rotterdam
1693 sx, Aachen, Hamburg
MEAL—2,240 sx, Breedijk, Antwerp
987 sx, Vermont, Antwerp
CLAY—852 sx, Breedijk, Rotterdam
COCONUTS—25 sx, Contessa, Cristobal
GLASS, WINDOW—271 cs, Breedijk, Antwerp
MUSTARD BRAN—80 sx, Whitney Bank, Aachen, Hamburg
OIL, OLIVE—250 cs, Breedijk, Rotterdam
25 dms, Breedijk, Antwerp
PALM—855 tons, Geo Wm Rueff, Mapia, Belawan Deli
446 tons, Mapia, Belawan Deli
PEATMOSS—600 bls, Marine Midland Trust Co, Breedijk, Rotterdam
1,680 bls, Breedijk, Rotterdam
POTASH CHLORATE—224 sx, International Selling Corp, Breedijk, Antwerp
SODA CYANIDE—200 dms, Sheills & Ramsey, Breedijk, Rotterdam
STARCH, TREATED—800 sx, Breedijk, Rotterdam
TAPIOCA FLOUR—2,184 sx, National City Bank, Mapia, Sourabaya
WATER MINERAL—100 cs, Vermont, Havre
WHITING—500 sx, Breedijk, Antwerp

Norfolk Imports

BLUE, ULTRAMARINE—2 cs, Collamer, Le Havre
BONEMEAL — 1,080 bgs, 48 tons, Lehigh, Bremen
COCOA RESIDUE — 4,667 bgs, 795,723 lbs, Lehigh, London
3,125 bgs, 250,000 lbs, H J Baker & Bros, N Y, Black Heron, Rotterdam
GYPSUM, CRUDE — 2,.00 tons, Robertson Chemical Co, Gypsum Prince, Windsor
3,000 tons, Standard Wholesale Phosphate & Acid Works, Gypsum Prince, Windsor
5,000 tons, Smith-Douglass Co, Gypsum Queen, Windsor
OIL, CODLIVER—366 dms, 67 tons, Wm Stone & Co, Black Heron, Antwerp
237 dms, 46 tons, National City Bank of N Y, Black Heron, Antwerp
PEATMOSS—1,800 bls, Peat Import Corp, N Y, Lehigh, Bremen
500 bls, Marine Midland Trust Co, N Y, Beemsterdijk, Rotterdam
100 half bls, Peat Import Corp, N Y, Lehigh, Bremen
50 bls, Premier Peatmoss Corp, Lehigh, Hamburg
800 bls, Premier Peatmoss Corp, Lehigh, Hammstad, Sw
323 bls, Premier Peatmoss Corp, Lehigh, Norrkoeping, Sw
PYRITES SMALLS, IRON — 2,203.15 tons, Baron Graham, Huelva
SODA, NITRATE—8,160 tons, Guaranty Trust Co, Cubano, Tocopilla
TAPIOCA FLOUR—250 bgs, Philadelphia National Bank, City of Singapore, Batavia
TEXTILE FINISHING PRODUCT — 3 cks, American Enka Corp, Nashville, Beemsterdijk, Rotterdam

Philadelphia Imports

ARSENIC—80 dms, A A Lehman, Pipestone County, Bordeaux
BLOOD, DRIED—1,016 bgs, Mormacsul, Buenos Aires
BLUE, WASHING—44 bgs, R T French Co, West Cusseta, Hull
BONE MEAL—650 bgs, Black Osprey, Antwerp
CARDAMOM SEED—90 tins, P H Petry Co, Castilla, Livingston via Puerto Barrios
CHARCOAL—2 cs, E H Bailey & Co, Pipestone County, Havre
CHEMICALS—200 bbls, Black Osprey, Rotterdam
100 dms, Black Osprey, Antwerp
CHROME ORE—1,000 tons, E J Lavino & Co, Robin Goodfellows Beira
COCOA BEANS—10,497 bgs, W & A Leaman, Black Osprey, Rotterdam
CORK, WASTE—6,416 bls, Exmouth, Bougie
CUTTLEFISH BONES—50 cs, Exmouth, Sfax
FLAXSEED—1,648 bgs, 902 tons, Louis Dreyfus Co, Mormacsul, Buenos Aires
FLINT, BLOCKS—199 pcs, Rimfakse, Treport
BOULDERS—20 tons, 1 cwt, Rimfakse, Treport
PEBBLES—1,630 tons, Rimfakse, Treport
172 cs, Black Osprey, Antwerp
GALLNUTS—174 bgs, Balfour, Guthrie & Co, Examiner, Alexandretta
40 bgs, Irving Trust Co, Examiner, Alexandretta
GAMBIER—86 cs, Royal Bank of Canada, City of Singapore, Belawan Deli
GLYCERIN—50 dms, Mormacsul, Buenos Aires
56 dms, Mormacsul, Montevideo
GUM COPAL—100 bgs, American Cyanamid & Chemical Corp, Black Osprey, Antwerp
GYPSUM, CRUDE—6,000 tons, U S Gypsum Co, Gypsum King, Windsor
HONEY—10 bbls, Halloway Corp, Barbara, San Juan
MAGNESITE—13,192 bgs, Harbison Walker Refractories Co, Lucia C, Trieste
MEAKIN MEAL—3,200 bgs, Takoaka, Kobe
MUSTARD SEED—500 bgs, R T French Co, Black Osprey, Rotterdam
180 bgs, American Bluefriesveen, Inc, Black Osprey, Rotterdam
250 bgs, R T French Co, Mormacport, Copenhagen
MYROBALANS—17,510 pkts, Matra, Calcutta
NAPHTHALENE—2,500 bgs, J W Hampton, Jr & Co, Black Osprey, Rotterdam
OIL, CODLIVER—165 dms, Dichmann, Wright & Pugh, Black Osprey, Rotterdam
125 dms, Dichmann, Wright & Pugh, Black Osprey, Antwerp
25 dms, West Cusseta, Hamburg
200 dms, Consumers Import Co, West Cusseta, Hull
OILCAKE—37,000 kilos, Black Osprey, Rotterdam quantity, Black Osprey, Antwerp
OSSEIN—1,155 bgs, Black Osprey, Antwerp
PEATMOSS—58 bls, Woodward & Dickerson, Black Osprey, Rotterdam
300 bls, West Cusseta, Hamburg
PETROLEUM, CRUDE—72,561 bbls, Gulf Oil Corp, Mirlo, Las Piedras
92,421 bbls, Atlantic Refining Co, Permian, Las Piedras
PUMICE—150 bgs, Lucia C Canneto, Lipari
SHELLAC, GARNET—300 bgs, Bank of Manhatan, Trentbank, Calcutta
TAPIOCA FLOUR—500 bgs, New York Trust Co, City of Singapore, Batavia
505 bgs, Philadelphia National Bank, City of Singapore, Batavia
2,320 bgs, Tweedbank, Cheribon
WATER, MINERAL—80 cs, Smith, Kline & French, Pipestone County, Havre
ZINC CHLORIDE—20 cyls, Philipp Bros, Black Osprey, Antwerp

Portland, Ore., Imports

BONE MEAL—336 sks, Loch Katrine, Rotterdam
IRON OXIDE—5 bbls, Reichard-Coulston, Gregalia, Liverpool
POTASH MURIATE—1,000 sks, Wilson & George Meyer & Co, Weser, Bremen

San Francisco Imports

AMMONIA CARBONATE—20 dms, Corrientes, Glasgow
BRISTLES—17 cs, Bank of London & South America, President Taft, Haiphong
5 cs, F H Cone & Co, President Taft, Shanghai
55 cs, Wooster Brush Co, President Taft, Tientsin
55 cs, H C Ritchie Co, President Taft, Tientsin
CALCIUM TARTRATE—160 bgs, Loch Katrine, Rotterdam
CARAWAY SEED—50 sks, Loch Katrine, Rotterdam
CASSIA—50 bls, D Hecht & Co, President Taft, Hongkong
50 bls, S L Jones & Co, Corneville, Hongkong
50 bls, Coffee Products of America, Corneville, Hongkong
CLOVES—100 sks, President Taft, Hongkong
COCOA BEANS—250 sks, Balfour, Guthrie & Co, Loch Katrine, London
415 sks, Crocker First National Bank, Monterey, Pago Pago
59 sks, Monterey, Pago Pago
COCONUT, DESIC—6,871 pkgs, J E Lowden, President Taft, Manila
700 cs, Balfour, Guthrie & Co, President Taft, Manila
960 cs, Wood & Selick, President Taft, Manila
727 cs, Durkee Famous Foods, President Taft, Manila
COPRA—700 tons, El Dorado Oil Works, Corneville, Jolo (for Oakland)
800 tons, El Dorado Oil Works, Corneville, Zamboanga (for Oakland)
1,304 sks, Monterey, Pago Pago
MEAL—13,440 sks, Taylor Milling Corpn, Corneville, Manila (for Oakland)
CORKBOARD—500 cs, Loch Katrine, London
EPHEDRA—241 bls, Wah Chang Trading Corp, President Taft, Tientsin
FISH MEAL—10 cs, Nippon Co, Arimasan, Nagoya
GINGER ROOT—40 sks, Corrientes, Liverpool
5 tubs, S Ishimitsu Co, President Taft, Yokohama
32 pkgs, President Taft, Hongkong
41 pkgs, Corneville, Hongkong
158 pkgs, Loch Katrine, Kingston
10 pkgs, Barclays Bank, Loch Katrine, Kingston
INCENSE—1 cs, Pacific Trading Co, President Taft, Kobe
INSECTICIDE—1 cs, Japan Seed Co, President Taft, Yokohama
ISINGLASS—2 cs, Mutual Supply Co, President Taft, Kobe
MAGNESIA CARBONATE—50 csks, Schofield, Donald Co, Pacific Pioneer, Manchester
MEDICINAL PREPS — 2 cs, Nippon Co, Arimasan, Nagoya
6 cs, Fung Chong, President Taft, Hongkong
47 pkgs, Oy Wo Tong, President Taft, Hongkong
18 pkgs, Tin Yee Hong, President Taft, Hongkong
1 cs, Kwong Yick, President Taft, Hongkong
71 pkgs, Chan Xing Tong, President Taft, Hongkong
1 cs, How Kee, President Taft, Hongkong
2 cs, Mutual Supply Co, President Taft, Kobe
OIL, CHINAWOOD—604,800 lbs, S L Jones & Co, President Taft, Hongkong
620,288 lbs, Werner G Smith Co, President Taft, Hongkong
FISH — 10 dms, Mitsui & Co, Arimasan, Yokohama
OLIVE — 200 dms, Parodi Ermino & Co, President Polk, Marseilles
PALM, EDIBLE—40 dms, 4 cs, Canadian Bank of Commerce, Corrientes, Liverpool
PEANUT—100 cs, T'i Hang Lung & Co, President Taft, Hongkong
50 cs, Ying Fat Lung, President Taft, Hongkong
PEANUTS, UNSHELLED—12 sks, El Dorado Oil Works, Corneville, Cebu (for Oakland)
PEATMOSS—1,000 bls, Bank of California, N A, Loch Katrine, Rotterdam (for Oakland)
PIMENTO — 20 sks, Barclays Bank, Loch Katrine, Kingston
PEPPER, BLACK—150 sks, Sino Java Hvg, Corneville, Oosthaven
SESAME SEED—20 sks, American Commerce Co, President Taft, Hongkong
SHEEP DIP—20 cs, Bank Line Transport & Trading Co, Corrientes, Glasgow
SOAP, SADDLE—1 cs, Harper Robinson & Co, Pacific Pioneer, Manchester
15 cs, Hoyt, Shepston & Sciaroni, Loch Katrine, London
SODA CYANIDE—800 dms, American Cyanamid & Chemical Corp, Loch Katrine, Rotterdam
SILICOFLUORIDE—40 cks, Loch Katrine, Rotterdam
TALLOW — 100 dms, Williams Dimond Co, Monterey, Melbourne
25 dms, Willits & Co, Monterey, Auckland
TOILET PREPS—1 cs, Hosoda Bros, Arimasan, Yokohama
3 cs, Mutual Supply Co, Arimasan, Yokohama
1 cs, Pacific Trading Co, President Taft, Kobe
1 cs, Mutual Supply Co, President Taft, Kobe

Savannah Imports

OIL, CREOSOTE — 3,025 tons, Karibisches Meer, Newcastle-on-Tyne

Seattle Imports

COCOA BEANS—100 sks, Agner & Frederickson, Evanger, Port of Spain
CRACKLINGS—400 sks, Evanger, Buenos Aires
MOLASSES—806 tons, Mauna Loa, Hilo
PEATMOSS—150 bls, Wilson & George Meyer & Co, Amerika, Aarhus
POTASH MURIATE—500 sks, Wilson & George Meyer & Co, Weser, Bremen
SODA NITRATE—8,720 sks, Guaranty Trust Co of N Y, Cuzco, Tocopilla
TAIL WOOD—20 bls, Mittet Line & Net Co, Weser, Hamburg

Tacoma Imports

ROSIN—300 cs, Cuzco, Manzanillo
SODA NITRATE—284 sks, Guaranty Trust Co of N Y, Cuzco, Tocopilla

Exports from U.S. Ports

New York Exports

Clearance Dates

American Farmer, May 12; Antigua, May 20; Aquitania, May 17; Asakasan, May 13; Barbacena, May 11; Black Hawk, May 13; Bonheur, May 18; Brand, May 23; Caledonia, May 15; City of Khios, May 15; City of Lyons, May 13; Drottningholm, May 15; Georgic, May 13; Gloucester City, May 12; Greystoke Castle, May 13; Gypsum Empress, May 24; Hansa, May 17; Ile de France, May 12; Laconia, May 12; Leif, May 11; Mokihana, May 15; Mormacstar, May 13; Nankai, May 16; Naruto, May 13; Normandie, May 16; Pilsudski, May 10; Ponce, May 13; Quirigua, May 17; Scanmail, May 3; Steel Engineer, May 11; Vaclite, May 18; Veragua, May 13; Vingaren, May 12; Washington, May 17; Western Prince, May 10; Winkler, May 19; Zaandam, May 12

ACID, ARSENIOUS, POWD—625 lbs, Quirigua, Barranquilla
BUTYRIC—536 lbs, Laconia, Liverpool
HYDROCYANIC—1,344 lbs, City of Lyons, Colombo
MURIATIC—3,700 lbs, Antigua, Porto Cortes; 3,700 lbs, Quirigua, Kingston
PICRIC—6 lbs, Steel Engineer, Cebu
TANNIC—274 lbs, Quirigua, Kingston
ALUMINA OXIDE—1,620 lbs, Washington, Hamburg
STEARATE—12,527 lbs, Mormacstar, Buenos Aires
AMMONIA—7,821 lbs, Ponce, San Juan
ANHYDROUS—3,913 lbs, Quirigua, Kingston
PHOSPHATE 1,582 lbs, Ponce, San Juan
SULPHATE—425,348 lbs, Ponce, Guanica
ASPHALT, LIQ—71,996 lbs, American Farmer, London; (Scanmail) 72,488 lbs, Stockholm; 34,184 lbs, Gefle; 42,260 lbs, Norrkoping; 17,136 lbs, Ornskoldsvik; 30,863 lbs, Sundsvall; 15,346 lbs, Gdynia; 46,385 lbs, Malmo; 40,753 lbs, Gothenburg; 11,301 lbs, Caledonia, Glasgow; 25,656 lbs, Zaandam, Rotterdam
SOLID—11,883 lbs, Scanmail, Gothenburg
BENZOL—2,750 gls, Mormacstar, Buenos Aires; 550 gls, Barbacena, Rio Janeiro
BLEACHING POWDER—172,404 lbs, Mormacstar, Buenos Aires; 872 lbs, Antigua, Porto Barrios
BLUE, ULTRAMARINE—2,581 lbs, Antigua, Santiago
VITRIOL—80,800 lbs, Quirigua, Kingston
BORAX, GRANULAR—2,000 lbs, Gypsum Empress, Windsor
CALCIUM CARBIDE—1,287,776 lbs, Mokihana, Honolulu; 10,582 lbs, Leif, Porto Plata
CHLORIDE—11,776 lbs, Caledonia, Glasgow
CATALYST—14,926 lbs, Vingaren, Norrkoping
CHEMICALS—15,349 lbs, Laconia, Liverpool; (Steel Engineer) 4,410 lbs, Honolulu; 4,412 lbs, Kahului; 3,808 lbs, American Farmer, London; 29,911 lbs, Scanmail, Stockholm; 1,466 lbs, Zaandam, Rotterdam; 4,550 lbs, Pilsudski, Gdynia; 2,742 lbs, Georgic, London
CLAY—35,840 lbs, Hansa, Copenhagen; 10,200 lbs, Mormacstar, Buenos Aires; 44,813 lbs, Western Prince, Rio Janeiro; 40,600 lbs, Scanmail, Gothenburg
COALTAR—2,800 lbs, Quirigua, Barranquilla
COLOR, ANILIN—5,019 lbs, Zaandam, Rotterdam
CORN FLOUR—31,020 lbs, Greystoke Castle, Manila; (Veragua) 3,664 lbs, Havana; 852 lbs, Port Limon; 14,150 lbs, Quirigua, Barranquilla
SUGAR—10,150 lbs, Laconia, Liverpool; 10,150 lbs, Caledonia, Glasgow; 30,450 lbs, Georgic, London
SYRUP—(Steel Engineer) 3,750 lbs, Honolulu; 1,495 lbs, Port Allen; 4,050 lbs, Mokihana, Honolulu; 15,268 lbs, Drottningholm, Gothenburg; (Veragua) 22,655 lbs, Havana; 390 lbs, Port Limon
DEXTRIN, CORN—7,100 lbs, American Farmer, London; 62,040 lbs, Greystoke Castle, Manila
DICHLORODIFLUOROMETHANE—6,258 lbs, American Farmer, London
DRUGS—2,695 lbs, American Farmer, London; 1,518 lbs, Washington, Hamburg
DYES—927 lbs, Hansa, Hamburg; 13,946 lbs, Black Hawk, Antwerp; 23,180 lbs, City of Lyons; Madras; 6,615 lbs, Western Prince, Buenos Aires; 2,416 lbs, Scanmail, Gothenburg
ANILIN—3,863 lbs, Scanmail, Gothenburg
ETHYL FLUID—150 gls, City of Lyons, Madras
GASOLINE—180 gls, Naruto, Yokohama; 1,045 gls, Mormacstar, Montevideo; 10,000 gls, Barbacena, Santos; 100 gls, City of Khios, Suez; 1,050 gls, Leif, Ciudad
ETHYLENEGLYCOLMONOETHYLETHER — 1,127 lbs, Quirigua, Barranquilla
GLUE, HIDE, GRD—2,270 lbs, American Farmer, London
PRESERVATIVE — 12,479 lbs, American Farmer, London
GREASE, LUBRIC — (Nankai) 39,619 lbs, Yokohama; 38,901 lbs, Osaka; (Naruto) 668,807 lbs, Yokohama; 5,902 lbs, Chemulpo; 2,507 lbs, Moji; 24,974 lbs, Dairen; 48,147 lbs, Kobe; 51,629 lbs, Hansa, Hamburg; 28,100 lbs, Black Hawk, Antwerp; 3,010 lbs, Mormacstar, Buenos Aires; 13,228 lbs, Bonheur, Santos; 81,428 lbs, Laconia, Liverpool; (City of Lyons) 14,210 lbs, Bombay; 6,218 lbs, Calcutta; 1,264 lbs, Colombo; (Steel Engineer) 8,412 lbs, Honolulu; 9,665 lbs, Saigon; 5,360 lbs, Haiphong; 58,964 lbs, American Farmer, London; (Vingaren) 3,980 lbs, Malmo; 2,664 lbs, Helsinki; 2,668 lbs, Drottningholm, Gothenburg; (Scanmail) 3,126 lbs, Helsingfors; 1,822 lbs, Stockholm; 16,535 lbs, Zaandam, Amsterdam; (Barbacena) 28,551 lbs, Rio de Janeiro; 22,274 lbs, Santos; 542 lbs, City of Khios, Basrah; 4,483 lbs, Washington, Havre; 24,186 lbs, Greystoke Castle, Manila; 5,656 lbs, Georgic, London; 2,245 lbs, Quirigua, Kingston
INSECTICIDE — 5,886 lbs, Western Prince, Buenos Aires
AGRICULTURAL—8,520 lbs, Nankai, Osaka; 115,976 lbs, Scanmail, Stockholm
LIQUID—25,181 lbs, Veragua, Havana
IRON OXIDE—2,369 lbs, Vingaren, Gothenburg
LACQUER—2,669 lbs, Black Hawk, Antwerp; 2,201 lbs, Mormacstar, Montevideo; 7,880 lbs, Western Prince, Buenos Aires; 861 lbs, Scanmail, Helsingfors
LARD—58,087 lbs, Black Hawk, Antwerp; 37,525 lbs, Laconia, Liverpool; (Gloucester City) 581,400 lbs, Bristol; 217,750 lbs, Cardiff; 425,250 lbs, American Farmer, London; 9,065 lbs, Drottningholm, Malmo; 22,200 lbs, Caledonia, Glasgow; 79,300 lbs, Washington, Hamburg; 37,800 lbs, Veragua, Havana; 10,120 lbs, Antigua, Banes
LEAD, WHITE, DRY—47,352 lbs, Zaandam, Amsterdam
WHITE, SUBLIMED—6,137 lbs, Vingaren, Gothenburg
LINSEED CAKE—3,160,425 lbs, Black Hawk, Antwerp
LUBRICANTS—74,072 lbs, Laconia, Liverpool
MAGNESIA CARBONATE—2,240 lbs, Mormacstar, Buenos Aires
METAL—5,777 lbs, Laconia, Liverpool
MARBLE DUST—8,160 lbs, Quirigua, Cartagena
MENTHOL—100 lbs, Antigua, Santiago
METHANOL—550 gls, Quirigua, Barranquilla
MINERAL SPTS—(Barbacena) 11,000 gls, Rio de Janeiro; 10,000 gls, Santos
NAPHTHA—330 gls, Barbacena, Rio de Janeiro
OIL, CASTOR—7,637 lbs, Black Hawk, Antwerp; 3,900 lbs, Steel Engineer, Manila; 3,000 lbs, Greyst oke Castle, Manila; 360 lbs, Antigua, Porto Barrios
COCONUT—25,032 lbs, Mormacstar, Buenos Aires; 9,427 lbs, Antigua, Porto Barrios
COOKING—246 lbs, Ponce, San Juan
CREOSOTE—1,115 lbs, Quirigua, Barranquilla
DIESEL—323,180 gls, Steel Engineer, Haiphong
EDIBLE—2,900 lbs, Veragua, Port Limon; 4,844 lbs, Quirigua, Barranquilla
ESSENTIAL—1,098 lbs, Scanmail, Stockholm
INSULATING—1,980 gls, Asakasan, Dairen
LINSEED—22,549 lbs, Veragua, Havana
LUBRICATING—(Nankai) 7,590 gls, Yokohama; 55,347 gls, Osaka; 35,160 gls, Kobe; (Naruto) 550 gls, Tokio; 155,485 gls, Yokohama; 24,255 gls, Moji; 14,575 gls, Dairen; 10,642 gls, Kobe; (Ile de France) 24,60 gls, Havre; 4,905 gls, Dunkirk; 6,086 gls, Bordeaux; 1,045 gls, St Nazaire; 840 gls, Havre; 48,954 gls, Hansa, Hamburg; 66 gls, Black Hawk, Antwerp; (Mormacstar) 10,725 gls, Montevideo; 2,145 gls, Buenos Aires; 1,150 gls, Asuncion; 12,320 gls, Santos; (Laconia) 3,300 gls, Calcutta; 1,375 gls, Liverpool; (City of Lyons) 5,775 gls, Karachi; 24,020 gls, Bombay; 24,475 gls, Madras; 98,385 gls, Calcutta; 1,540 gls, Colombo; (Steel Engineer) 385 gls, Honolulu; 6,325 gls, Saigon; 7,950 gls, Haiphong; 636,468 gls, Vaclite, Birkenhead and London; 620,675 gls, Winkler, London; (Gloucester City) 660 gls, Bristol; 8,930 gls, Cardiff; 7,150 gls, American Farmer, London; (Vingaren) 825 gls, Gothenburg; 5,940 gls, Malmo; 4,100 gls, Norrkoeping; 4,675 gls, Helsinki; (Drottningholm) 1,065 gls, Gothenburg; 495 gls, Kalmar; (Scanmail) 935 gls, Helsingfors; 44,020 gls, Stockholm; 6,270 gls, Copenhagen; 4,235 gls, Gothenburg; 7,400 gls, Caledonia, Glasgow; 9,515 gls, Zaandam, Rotterdam; 210 gls, Normandie, Havre; (Barbacena) 17,390 gls, Rio Janeiro; 18,600 gls, Santos; 6,100 gls, Rio Grande; 1,080 gls, Porto Alegre; (City of Khios) 8665 gls, Busreh; 2,750 gls, Bahrein; 855 gls, Baghdad; (Washington) 1,100 gls, Oslo; 1,925 gls, Havre; 1,375 gls, Greystoke Castle, Manila; (Georgic) 2,200 gls, Tuticorin; 22,474 gls, London; 550 gls, Ponce, San Juan
MINERAL—4,070 gls, Georgic, London
OLEO—14,250 lbs, Black Hawk, Antwerp; 4,464 lbs, Laconia, Liverpool; 2,361 lbs, American Farmer, London; (Vingaren) 46,758 lbs, Gothenburg; 38,037 lbs, Norrkoping; 19,188 lbs, Scanmail, Copenhagen; 55,420 lbs, Caledonia, Glasgow; 11,820 lbs, Zaandam, Rotterdam
PEPPERMINT—458 lbs, American Farmer, London
PINE—26,090 lbs, Asakasan, Kobe
WORMSEED—360 lbs, American Farmer, London
PARAFFIN—113,630 lbs, Hansa, Hamburg; 22,350 lbs, Ile France, Havre; 26,788 lbs, Black Hawk, Antwerp; 11,150 lbs, Mormacstar, Rio Janeiro; 18,425 lbs, City of Lyons, Colombo; 71,151 lbs, Gloucester City, Bristol; (Scanmail) 22,644 lbs, Hango; 38,215 lbs, Stockholm; 22,244 lbs, Copenhagen; (Barbacena) 6,472 lbs, Paranagua; 14,071 lbs, Santos; 51,766 lbs, Rio Grande; 66,732 lbs, Veragua, Port Limon; (Leif) 20,158 lbs, Ciudad; 20,58 lbs, Porto Plata; (Antigua) 20,201 lbs, Antigua; 20,201 lbs, Retalheu; 50,505 lbs, Porto Barrios; 33,900 lbs, Quirigua, Barranquilla
SCALE—77,577 lbs, Scanmail, Copenhagen trine, Rotterdam
PETROLATUM, MED—140,347 lbs, Georgic, London
PETROLEUM, GAS LIQ—5,837 lbs, Quirigua, Kingston
REFINED—(Ponce) 10,000 gls, San Juan; 9,530 gls, Mayaguez; 2,000 gls, Aguadilla; 15,000 gls, Leif, Ciudad
PITCH—17,793 lbs, Vingaren, Norrkoping
POTASH, BICHROMATE—28,885 lbs, Mormacstar, Rio Janeiro; 5,712 lbs, City of Lyons, Alexandria
BROMATE—2,680 lbs, Zaandam, Rotterdam
CAUSTIC—8,012 lbs, Greystoke Castle, Manila
RESIN, SYNTH—9,312 lbs, Ile de France, Havre; 12,019 lbs, Laconia, Liverpool; 20,749 lbs, Zaandam, Amsterdam
ROSIN—5,563 lbs, Black Hawk, Antwerp; (Mormacstar) 4,543 lbs, Buenos Aires; 2,065 lbs, Santos
SODA ASH—3,108 lbs, Black Hawk, Antwerp; 70,762 lbs, Bonheur, Rio Janeiro; (Mokihana) 127,210 lbs, Honolulu; 4,510 lbs, Hilo; 67,315 lbs, Gloucester City, Bristol; 13,347 lbs, Barbacena, Rio Grande; 653,806 lbs, Greystoke Castle, Manila; (Veragua) 30,300 lbs, Havana; 3,030 lbs, Port Limon; 18,966 lbs, Quirigua, Barranquilla
BICARBONATE—3,606 lbs, Mokihana, Honolulu; 4,520 lbs, Steel Engineer, Manila; (Quirigua) 2,020 lbs, Barranquilla; 5,050 lbs, Cartagena
BICHROMATE—23,990 lbs, Bonheur, Santos
CAUSTIC—1,843 lbs, Black Hawk, Antwerp; (Bonheur) 21,524 lbs, Rio Janeiro; 68,926 lbs, Santos; 4,550 lbs, Laconia, Calcutta; (Mokihana) 37,510 lbs, Honolulu; 4,512 lbs, Hilo; 16,510 lbs, Steel Engineer, Hoilo; 685,850 lbs, Greystoke Castle, Manila; (Barbacena) 265,437 lbs, Santos; 40,204 lbs, Rio Grande; 77,800 lbs, Veragua, Havana; 14,368 lbs, Leif, Ciudad; 5,450 lbs, Quirigua, Barranquilla
CHLORITE—528 lbs, Vingaren, Iggesund
CITRATE—108 lbs, Quirigua, Barranquilla
HYPOSULPHITE—18,010 lbs, Steel Engineer, Honolulu
METASILICATE—11,160 lbs, Vingaren, Gothenburg; (Scanmail) 18,804 lbs, Stockholm; 4,050 lbs, Gothenburg; 32,222 lbs, Malmo
MONOMETAPHOSPHATE—6,820 lbs, Scanmail, Copenhagen
ORTHOSILICATE — (Scanmail) 11,984 lbs, Stockholm; 13,054 lbs, Malmo; 2,075 lbs, Gothenburg
PHOSPHATE, TRI—22,555 lbs, Black Hawk, Antwerp; 13,840 lbs, City of Lyons, Karachi
SILICATE—10,650 lbs, Ponce, San Juan; 8,650 lbs, Antigua, Porto Barrios; 40,347 lbs, Brand, Bail Comeau
SULPHATE—1,130 lbs, Quirigua, Barranquilla
STARCH—1,615 lbs, Laconia, Liverpool; 4,000 lbs, Steel Engineer, Honolulu; 2,820 lbs, Zaandam, Rotterdam; 2,424 lbs, Georgic, London
CORN—(Ponce) 42,450 lbs, San Juan; 12,735 lbs, Ponce; 7,075 lbs, Mayaguez; 4,000 lbs, Antigua, Santiago
TALC—15,164 lbs, Vingaren, Norrkoping
TITANIUM DIOXIDE—848 lbs, Mormacstar, Buenos Aires
PIGMENTS—24,600 lbs, American Farmer, London
TOILET PREPS—3,080 lbs, Zaandam, Amsterdam
TRICHLORPHENOL—111 lbs, Vingaren, Valdermarsiek
VARNISH SUBSTITUTE—2,691 lbs, Zaandam, Rotterdam

WHITENING COMP—13,453 lbs. Georgic, London
WITCH HAZEL EXTRACT—27,280 lbs. Gloucester City, Bristol
ZINC OXIDE—7,682 lbs. Laconia, Calcutta

Baltimore Exports

Clearance Dates

Blankaholm, May 16; Capulin, May 18; City of Flint, May 17; Collamer, May 20; Hokuroku, May 25; Manchester Exporter, May 18; Santos, May 16; Steel Inventor, May 17; San Anselmo, May 20; Tunaholm, May 20

AMMONIA CARBONATE—100 lbs. Blankaholm, Stockholm
CADMIUM LITHOPONE—400 lbs. Tunaholm, Stockholm
CALCIUM SULPHATE—220 lbs. City of Flint, London
CEMENT, HIGH-TEMP—200 lbs. Santos, Rio Janeiro
CLAY—550 lbs. Blankaholm, Stockholm; 50 lbs. Tunaholm, Oslo
CLEANER—14,400 lbs. San Anselmo, Panama
COLOR, DRY—100 lbs. Blankaholm, Stockholm
COPRA MEAL—300 tons. Blankaholm, Oslo
DEXTRIN—170,400 lbs. Steel Inventor, Bombay
ETHYL CHLOR CARBONATE—150 lbs. City of Flint, London
FELDSPAR—500 lbs. Blankaholm, Stockholm
GREASE, LUBRIC—40,353 lbs. City of Flint, London; (San Anselmo) 980 lbs. Panama; 1,035 lbs. El Salvador; 1,260 lbs. Honduras
INSECTICIDE—260 lbs. San Anselmo, Colombia; 66 lbs. Tunaholm, Oslo
MAGNESIA CARBONATE—125 lbs. Blankaholm, Stockholm
MOLASSES—1,650 gls. Capulin, Belfast
OIL, AIRCRAFT, HEAVY—50 bbls. Hokuroku, Osaka
BRIGHT-STOCK—63 bbls. Hokuroku, Osaka
CYLINDER—(Hokuroku) 96 bbls. Osaka; 64 bbls. Moji
MINERAL—4,800 gls. City of Flint, Hull
MOTOR—150 bbls. Hokuroku, Kobe
NEUTRAL—130 bbls. Hokuroku, Osaka
OYSTER SHELLS CRSHD—50 tons. Manchester Exporter, Halifax
PARAFFIN—112,081 lbs. Manchester Exporter, Manchester
POLISH—165 gls. City of Flint, London
PORCELAIN ENAMEL FRIT—46,100 lbs. Blankaholm, Stockholm; (Tunaholm) 600 lbs. Stockholm; 750 lbs. Oslo
LIQUID—(Tunaholm) 400 lbs. Stockholm; 1,063 lbs. Oslo
RUTILE—(Capulin) 11,200 lbs. Glasgow; 22,580 lbs. Liverpool
SAND, IRON—(Blankaholm) 31,360 lbs. Malmo; 44,800 lbs. Sweden
SODA, BICHROMATE—11,023 lbs. Blankaholm, Abo; 20,943 lbs. San Anselmo, Chile
STARCH—30,240 lbs. Capulin, Belfast
CORN—(Steel Inventor) 469,160 lbs. Bombay; 1,020,923 lbs. Calcutta; 682,660 lbs. Manchester Exporter, Manchester
TALLOW—(San Anselmo) 10,361 lbs. Nicaragua; 12,000 lbs. Costa Rica
WITCH HAZEL LEAVES—1,466 lbs. Collamer, Havre

Beaumont Exports

Clearance Dates

Adellen, May 8; Britanier, May 7; Britamsea, May 8; British Consul, May 11; Languedoc, May 7; Oakman, May 14

BLACK, CARBON—(Oakman) 2,160 bgs. Glasgow; 1,170 bgs. Bristol via Avonmouth
PETROLEUM, CRUDE—111,655 bbls. Britamer, Montreal; 24,024 bbls. Languedoc, Trieste; 93,483 bbls. Britamsea, Montreal; 90,096 bbls. Adellen, Havre; 76,700 bbls. British Consul, Naples
SULPHUR—2,300 bgs. Oakman, Glasgow

Boston Exports

Clearance Dates

Black Heron, May 23; Nova Scotia, May 25; Samaria, May 20; Siamese Prince, May 24; Yarmouth, May 22, 24

ALUMINA, SULPHATE—3 bgs. 525 lbs. Samaria, Port Marshall
CEMENT, CAN—5 dms, 265 gls. Samaria, Capetown
CLEANER—1 cs. 63 lbs. Yarmouth, St John, N B
DRESSING, BELT—1 cs. 102 lbs. Siamese Prince, Manila
LEATHER—1 bbl, 363 lbs. Samaria, Liverpool
SHOE—1 bx, 49 lbs. Samaria, Leicester
FERRIC SULPHATE—5 dms, 2,000 lbs. Samaria, Banalore
GREASE, LUBRIC—5 cs. 180 lbs. Yarmouth, St John, N B
LACQUER—5 dms, 1 bx, 214 gls. Black Heron, Wiltz
LINING COMP—60 dms. 300 gls. Black Heron, Antwerp
MEDICINAL PREPS—1 cs. 40 lbs. Nova Scotia, St John's, N F
MICA, POWD—14 bgs, 1,120 lbs. Black Heron, Rotterdam
OIL, GLOSS—1 dm. 60 gls. Nova Scotia, St John's, N F
LUBRICATING—7 cs, 145 gls. Samaria, Liverpool; 1 cs, 35 gls. Nova Scotia, Liverpool; 20 cs, 120 gls. Yarmouth, St John, N B
PINETAR—1 dm. 55 gls. Yarmouth, Halifax, N S
PAINT—9 cs, 53 gls. Nova Scotia, St John's, N F; 2 dms, 3 bxs, 28 gls. Yarmouth, St John, N B
PASTE, ADHES—40 dms, 1,700 lbs. Black Heron, Rotterdam
PITCH, COALTAR—150 bbls, 40,000 lbs. Yarmouth, St John, N B
POLISH—3 cs, 96 lbs. Nova Scotia, St John's, N F; 50 cs, 1,685 lbs. Yarmouth, St John, N B
SOAP, MEDICATED—2 cs, 130 lbs. Nova Scotia, St John's, N F
SODA BISULPHITE—36 dms, 15,480 lbs. Samaria, Cape Palmas
PHOSPHATE—5 kgs, 1 bbl, 825 lbs. Yarmouth, St John, N B
SULPHUR—125 bgs, 32 dms, 75 bbls, 56,580 lbs. Yarmouth, Windsor, N S
TALC—(Nova Scotia) 20 bgs, 2,000 lbs. Manchester; 1 cs, 30 lbs, St John's, N F
TOILET PREPS—4 cs, 684 lbs. Nova Scotia, St John's, N F
TURPENTINE, GUM—(Yarmouth) 2 bbls, 101 gls, Yarmouth, N S; 2 dms, 110 gls, Yarmouth, St John, N B; 5 dms, 280 gls, Yarmouth, Amherst, N S; 3 bbls, 152 gls, Nova Scotia, St Johns, N F
VARNISH—7 cs, 5 dms, 315 gls, Nova Scotia, St John's, N F

Corpus Christi Exports

Clearance Dates

Anna Knudsen, May 14; Beaulieu, May 18; Drafn, May 15; Ferncourt, May 14; Regina, May 13; Sheherazade, May 17

OIL, FUEL—37,526 bbls. Regina, Gothenburg; 22,196 bbls. Drafn, Trieste
GAS—12,234 bbls. Regina, Gothenburg
PETROLEUM, CRUDE—50,373 bbls. Regina, Gothenburg; 74,726 bbls. Ferncourt, Dunkirk; 108,350 bbls. Anna Knudsen, Havre; 61,523 bbls. Drafn, Trieste; 135,304 bbls. Sheherazade, Havre; 72,939 bbls. Beaulieu, Foreign

Galveston Exports

Clearance Dates

Buccaneer, May 18; Dryden, May 18; Elg, May 19; Inverbank, May 22; Laura C, May 17; Memel, May 19; Mulheim Ruhr, May 23; Noto, May 20; Solstad, May 22; Trolleholm, May 18; Vermont, May 19; Wasgenwald, May 18

BLACK, CARBON—300 bgs. Laura C, Venice; 10 cs, Trolleholm, Gothenburg; 100 bgs, 30 cs, Wasgenwald, Shanghai; 8 tons, Dryden, Antwerp; 130 cs, Memel, Hamburg; 750 bgs, Vermont, Havre; (Noto) 234 cs, 2,921 bgs, Yokohama; 400 bgs, Osaka; 80 cs, 5,461 bgs, Kobe; (Inverbank) 20 cs, Brisbane; 3,850 bgs, 70 cs, Sydney; 8,000 bgs, 500 cs, Melbourne; 25 cs, Adelaide
GASOLINE—8,150 tons, Buccaneer, Quebec; 1,500 tons, Solstad, Alexandria
KEROSENE—4,500 tons, Solstad, Alexandria
OIL—200 dms, Inverbank, Sydney
GAS—800 tons, Buccaneer, Quebec; 1,500 tons, Solstad, Alexandria
POTASH—2,000 tons, Mulheim Ruhr, Antwerp
SULPHUR—(Trolleholm) 10 tons. Helsingfors; 10 tons, Stockholm; 10 tons, Dryden, Antwerp; (Elg) 1,000 tons. Botwood; 2,400 tons, Port Alfred; 600 tons, Quebec; 500 tons, Three Rivers; 2,250 tons, Montreal; 1,700 tons, Vermont, Antwerp; (Inverbank) 350 bgs. Sydney; 75 bgs. Melbourne; 3,000 tons, Adelaide; (Mulheim Ruhr) 500 tons, Liverpool; 1,500 tons, Manchester

Houston Exports

Clearance Dates

Agnita, May 20; Cesco, May 23; Delplata, May 22; Dryden, May 20; Kano, May 17; Liberator, May 19; Strinda, May 22; Terukawa, May 19

BLACK, CARBON—50 cs, Kano, Kobe; 223 cs, 1,000 bgs, Terukawa, Kobe; (Liberator) 681 cs, 26,000 bgs, 75 ctns, Havre; 25 cs, Rotterdam; (Dryden) 448 bgs, Bordeaux; 150 cs, 4,085 bgs, Antwerp; (Delplata) 300 bgs, Rio de Janeiro; 12 cs, 90 bgs, Santos; 3,322 pkgs, Buenos Aires
BUTANE—1,200 tons, Agnita, Paulliac
OIL, FUEL—7,300 tons, Cesco, Venice
GAS—1,724 tons, Cesco, Venice
LUBRICATING—65 bbls. Dryden, Bordeaux; 120 dms, Delplata, Santos
PETROLEUM, CRUDE—116,000 bbls. Strinda, Montreal

Lake Charles Exports

Clearance Dates

Ancylus, May 19; Fede, May 22; Margaret Lykes, May 15; Oakman, May 19

OIL, PINE—1 dm. Margaret Lykes, Panama City
PETROLEUM, CRUDE—89,980 bbls. Ancylus, Montreal; 86,838 bbls. Fede, Venice
ROSIN—(Margaret Lykes) 80 dms. Barranquilla; 15 dms, Panama City
WOOD—25 bbls, Oakman, Dublin

Los Angeles Exports

Clearance Dates

Absaroka, May 18; Akatuki, May 15; Amagisan, May 20; Asakaze, May 13; Asama, May 12; City of San Francisco, May 15; Corneville, May 15; Deroche, May 18; Gertrude Kellogg, May 21; Gertrude Maersk, May 15; Griffco, May 18; Kansan, May 12; Keiyo, May 20; Kyusyu, May 16; La Placentia, May 15; Laurits Swenson, May 17; President Taft, May 15; Richmond, May 18; Silverbeech, May 12; Silverpalm, May 20; Tai Yin, May 16; Tattibana, May 20; Toorak, May 19; Velma, May 19; Zuiyo, May 12

ACETONE—50 dms, 17,900 lbs. Silverpalm, Durban; 93 dms, 33,300 lbs. Asakaze, Yokohama
ACID, BORIC—1,000 bgs, 112,000 lbs. Laurits Swenson, Liverpool
CRESYLIC—2,810 lbs. Tai Yin, Manila
ANTIMONY, REF—55 cs, 12,160 lbs. Kyusyu, Osaka
ASPHALT—(Gertrude Maersk) 25 dms, 11,200 lbs, Manila; 3 dms, 2,240 lbs, Yokohama
SOLID—50 dms, 26,080 lbs. President Taft, Manila
BORATE—(Laurits Swenson) 15,208 bgs, 2,290,570 lbs, London; 4,706 bgs, 735,390 lbs, Liverpool
BORAX—(Laurits Swenson) 20 bgs, 2,230 lbs, Oslo; 8 cs, 1,550 pkgs, 179,200 lbs, London; 607 bgs, 67,980 lbs, President Taft, Hongkong; (Silverbeech) 120 bgs, 13,440 lbs, Bombay; 110 pkgs, 12,320 lbs. Navlakki; (Silverpalm) 600 cs, 60,000 lbs, Lourenco Marques; 112 cs, 11,200 lbs, Beira; 100 cs, 10,000 lbs, Tai Yin, Manila
CLAY, GRD—160 sx, 8,000 lbs. Silverpalm, Natal; 1,000 bgs, 112,000 lbs. Silverbeech, Al Khobar
CLEANER—1,680 lbs, President Taft, Hongkong
COLOR, DRY—1,650 lbs, Gertrude Maersk, Hongkong
CORN SYRUP—60 bbls, 44,810 lbs, Gertrude Maersk, Manila
DIATOMACEOUS EARTH—20 bgs, 2,000 lbs, Tai Yin, Manila; 988 bgs, 100,020 lbs, Kansan, Ponce
FILM SCRAP—1,100 lbs, President Taft, Tientsin
GASOLINE—150 cs, 12,000 lbs, Corneville, Manila; (Deroche) 25,189 bbls, 6,546,010 lbs, Balboa; 7,140 bbls, 1,863,540 lbs, Cristobal
KEROSENE—(Corneville) 4,000 cs, 340,000 lbs, Manila; 66 dms, 23,940 lbs, Hongkong
LACQUER — 5,810 lbs, Corneville, Manila; (Silverbeech) 620 lbs, Bombay; 360 lbs, Karachi; 1,830 lbs, Tai Yin, Manila
NITROCELLULOSE—440 lbs. Kansan, San Juan
THINNER—(Silverbeech) 240 lbs, Karachi; 850 lbs, Bombay
METHYL ETHYL KETONE—612 dms, 223,970 lbs, Asakaze, Yokohama
OIL, DIESEL—10 dms, 4,060 lbs, Corneville, Manila; 16,916 bbls, 5,277,790 lbs. La Placentia, Balboa; 16,462 bbls, 5,136,140 lbs, Deroche, Cristobal; 351 bbls, 109,510 lbs, Griffco, Santa Rosalia; 18,469 bbls, 5,743,610 lbs, Toorak, Manila-Cebu-Hondagua; (Richmond) 5,020 bbls, 1,566,240 lbs, Puntarenas; 53,994 bbls, 16,846,130 lbs, Balboa; (Velma) 5,191 bbls, 1,619,590 lbs, Coquimbo; 123 bbls, 37,750 lbs, Chanaral; 8,374 bbls, 2,612,690 lbs, Asakaze, Osaka
FISH FLAKES—966 bgs, 159,580 lbs, President Taft, Manila; 250 bgs, 40,000 lbs, Silverbeech, Manila
FUEL—39,782 bbls, 13,247,410 lbs, Gertrude Kellogg, Manila; 18,744 bbls, 6,241,750 lbs, La Placentia, Balboa; 61,632 bbls, 20,523,460 lbs, Toorak, Manila-Cebu-Hondagua; 52,464 bbls, 17,470,510 lbs, Tatibana, Yokohama; (Velma) 29,995 bbls, 9,988,340 lbs, Antofagasta; 50,047 bbls, 16,665,650 lbs, Chanaral; 55,451 bbls, 18,465,180 lbs, Zuiyo, Saseho
LUBRICATING—25 pkgs, 8,150 lbs, Tai Yin, Manila; 5 dms, 2,330 lbs, President Taft, Shanghai
PAINT—1,800 lbs, Corneville, Manila; 9,420 lbs, Tai Yin, Manila
PREPARED—400 lbs. Kyusyu, Yokohama
PETROLEUM, CRUDE—90,782 bbls, 28,323,980 lbs, Akatuki, Kure
POTASH, MURIATE—(Kyusyu) 2,668 bgs, 920 lbs, Yokohama; 2,500 bgs, 551,040 lbs, Kobe; 1,000 bgs, 219,520 lbs, Keiyo, Kobe; 1,000 bgs, 219,520 lbs, President Taft, Kobe; 24,012 bgs, 2,018,240 lbs, Asakaze, Yokohama; 3,000 bgs, 669,800 lbs, Asama, Kobe
SOAP, LAUNDRY—1,000 ctns, 50,000 lbs, Absaroka, San Juan
SODA CAUSTIC—5,100 lbs, President Taft, Manila
TOILET PREPS—950 lbs, Corneville, Rangoon; 4,250 lbs, President Taft, Hongkong; (Silverbeech) 3 pkgs, 1,160 lbs, Batavia; 4,750 lbs, Manila; 1,050 lbs, Singapore
VARNISH—1,420 lbs. Tai Yin, Manila

Mobile Exports

Clearance Date

Torungen, May 17

TURPENTINE—10 cs, Torungen, Maracaibo

New Orleans Exports

Clearance Dates

Askeladden, May 1; Colonial, May 2; Hedrun, May 6; Kano, May 13; Laura C, May 13; Lysefjord, May 5; Nicolo Odero, May 9; Nienburg, May 2; Nordvangen, May 6; Oakman, May 16; Recca, May 5; Sixaola, May 5; Spaarndam, May 2; Telde, May 4; Ulua, May 2; West Cobalt, May 9

ACETONE—49 dms, Nicolo Odero, Genoa
ANIMAL CHARCOAL—3 tons, Spaarndam, London
BAKING POWDER—2 tons, Ulua, Tela
BLACK CARBON—2 cs, Nicolo Odero, Genoa; 36 tons, Nienburg, Hamburg; 900 sx, Oakman, Glasgow; (Colonial) 15 tons, Liverpool; 55 tons, Manchester; (Spaarndam) 80 tons, London; 2 tons, Antwerp; 5 tons, Rotterdam
CLAY—1,800 sx, Askeladden, Caripito; 1,200 sx, Oakman, Glasgow
GROUND—(Oakman) 688 sx, Glasgow; 1,200 sx, Avonmouth
CORN, SYRUP—50 bbls, Oakman, Avonmouth; 1 ton, Telde, Colon; (Oakman) 380 bbls, Glasgow; 230 bbls, Dublin; 60 bbls, Avonmouth
COTTONSEED HULL SHAVING PULP — (Spaarndam) 49 tons, Antwerp; 49 tons, Rotterdam
DIPENTENE—10 tons, Spaarndam, London
FIRECLAY—5 bxs, Laura C, Barcelona; 434 pcs, Askeladden, Caripito
GASOLINE—(Lysefjord) 300 dms, 1,500 cs, 150 bbls, Puerto Barrios; 125 dms, Livingston
GREASE, LUBRIC—29 tons, Spaarndam, Rotterdam
KEROSENE—100 cs, Nordvangen, Kingston; 25 dms, Sixaola, Bocas del Toro; (Lysefjord) 100 cs, Puerto Barrios; 10 dms, Livingston; 100 cs, Ulua, Tela
LARD—(Sixaola) 150 dms, 150 tins, Havana; 1,800 tins, Puerto Limon; 700 tins, Guayaquil; 700 tins, Buenaventura; (Telde) 200 tins, Santa Marta; 600 tins, Puntarenas; 300 tins, Puerto Armuelles; 750 tins, Guayaquil; 2,100 tins, Buenaventura; 850 tins, Ulua, Puerto Barrios
SUBSTITUTE—50 cs, Telde, Panama
LIME, HYDRATED—106 tins, Telde, Puntarenas
NICOTINE SULPHATE—35 dms, Kano, Yokohama
OIL, COTTONSEED, FOOTS—50 bbls, Oakman, Glasgow
FUEL—1,400 bbls, Nordvangen, Moengo; 285 bbls, Telde, Puntarenas
DIESEL—75 dms, Lysefjord, Livingston
LUBRICATING—268 bbls, Laura C, Fiume; 273 bbls, 79 dms, Nicolo Odero, Genoa; 224 tons, Nienburg, Hamburg; (Oakman) 242 bbls, Glasgow; 20 bbls, Avonmouth; 38 tons, Recca, Marseilles; 300 dms, Kano, Kobe; 13 tons, Colonial, Liverpool; (Sixaola) 220 cs, Havana; 134 cs, Guayaquil
MARINE—7 tons, Sixaola, Puerto Limon
PINE—13 dms, Oakman, Glasgow
PAINT—2 tons, Telde, Puntarenas
PARAFFIN—102 sx, Oakman, Glasgow; (Colonial) 27 tons, Liverpool; 103 tons, Manchester; 101 tons, Spaarndam, London
PETROLEUM—30 tons, Nienburg, Hamburg
CRUDE—8,254 bbls, Kano, Tokuyama
PINETAR—75 dms, Oakman, Glasgow
ROSIN—15 dms, Nicolo Odero, Genoa; 1,200 bbls, Oakman, Glasgow; 10 tons, West Cobalt, Liverpool; (Spaarndam) 62 tons, London; 11 tons, Antwerp; 29 tons, Telde, Buenaventura
WOOD—6 tons, Colonial, Liverpool; 8 tons, Sixaola, Puerto Limon
SALT—90 tons, Sixaola, Havana; 2 tons, Ulua, Tela
STARCH, CORN—804 tons, Colonial, Manchester
TRIPOLI—55 sx, Hedrun, Gdynia
TURPENTINE—38 dms, Oakman, Avonmouth; (Sixaola) 4 tons, Valparaiso; 1 ton, Talcahuano

Norfolk Exports

Clearance Dates

Capulin, May 22; City of Flint, May 20; Manchester Exporter, May 22; Sawokla, May 22; Tennessee, May 20

ACETONE—30 dms, City of Flint, London
ALCOHOL, BUTYL—50 dms, City of Flint, London
OCTYL—2 dms, City of Flint, London
BAYBERRY BARK—3 bls, 1,034 lbs, City of Flint, London
BRONZE POWDER—2 ctns, 66 lbs, Sawokla, Manila
BUTYL ACETATE—100 dms, City of Flint, London
CELLULOSE ACETATE—26 cs, 29,057 lbs. Tennessee, Stockholm
COLOR, DRY—1 bx, 183 lbs, Sawokla, Manila
CROTONALDEHYDE—4 dms, City of Flint, London
DIBUTYL PHTHALATE—2 dms, City of Flint, London
DIETHYLENE TRIAMINE—2 dms, City of Flint, London
DIETHYLENEGLYCOL—90 dms, City of Flint, London
BUTYLETHER—1 dm, City of Flint, London
DRUGS—8 bls, 3,020 lbs, City of Flint, Hamburg
ETHYLENEGLYCOL MONOBUTYLETHER—25 dms, City of Flint, London
MONOETHYLETHER ACETATE—60 dms, City of Flint, London
MONOMETHYLETHER—10 dms, City of Flint, London
FRINGE TREE ROOT—2 bgs, 253 lbs, City of Flint, London
ISOPROPANOLAMINE—2 dms, City of Flint, London
LADY SLIPPER ROOT—3 bgs, 203 lbs, City of Flint, London
LARD—272 tcs, 120,537 lbs, Capulin, Manchester; 544 tcs, 241,905 lbs, Manchester Exporter, Manchester
MEDICINAL PREPS—61 pkgs, 1 bx, 4,121 lbs, City of Flint, London
MICA—200 bgs, 20,200 lbs, City of Flint, London
OCHER—490 bgs, 79,380 lbs, City of Flint, Dundee
PASSION FLOWER HERB—10 bls, 1,602 lbs, City of Flint, Hamburg
POLISH—1 ctn, 22 lbs, Sawokla, Honolulu
PROPYLENEGLYCOL—5 dms, City of Flint, London
PROPYLENEOXIDE—1 dm, City of Flint, London
SODA NITRATE—2,000 bgs, 404,000 lbs, Sawokla, Shanghai
STARCH, CORN—440 bgs, 62,260 lbs, City of Flint, Hull
TANNING EXTRACT—(Manchester Exporter) 1,569 bgs, 225 bbls, 373,150 lbs, Liverpool; 600 bbls, 364,303 lbs, Manchester; (Tennessee) 30 bgs, 4,500 lbs, Bergen; 5 bbls, 3,028 lbs, Oslo; (Capulin) 200 bbls, 121,503 lbs, Manchester; 390 bbls, 234,217 lbs, Liverpool
TERGITOL PENETRANT—1 dm, City of Flint, London
TRIETHANOLAMINE—20 dms, City of Flint, London

Philadelphia Exports

Clearance Dates

Agwistar, May 31; Barbara, May 25; Barbarigo, May 23; Black Osprey, May 25; Capulin, May 23; City of Adelaide, May 23; City of Flint, May 22; City of New York, May 18; Cypria, May 24; Examiner, May 24; Hokuroku Maru, May 22; Kota Agoeng, May 20; Mahout, May 22; Mahtilda Thorden, May 17; Montreal City, May 24; Mormacmar, May 22; San Clemente, May 22; Scanpenn, May 20; Tunaholm, May 22; Tureby, May 23; Winkler, May 22

ACID, PHOSPHORIC—30 bbls. Tunaholm, Stockholm
ALCOHOL, BUTYL—6 dms, Mahout, Melbourne
ETHYL—173 bbls, Barbara, San Juan
AMMONIA NITRATE—50 dms, Kota Agoeng, Batavia; 2,045 dms, Agwistar, Tampico
ANTI-KNOCK COMP—81 pkgs, City of Flint, London; 114 dms, Barbarigo, Dubrovnik
APPLE POMACE—2 bgs, Scanpenn, Helsingfors
ASPHALT, PETROL—6 dms, Mahout, Sydney
BENZOL—(Winkler) 312,759 gls, Havre; 192,654 gls, Antwerp; 100 dms, Mormacmar, Montevideo
BLACK, BONE—5 bgs, Mahout, Sydney
LAMP—3 cs, Mahout, Sydney
BLUE, MECHANICS'—1 ctn, City of Adelaide, Capetown
BRAKE FLUID—26 dms, City of Adelaide, Capetown
BUTYL ACETATE—54 dms, Mahout, Melbourne; 37 dms, City of Adelaide, Durban
CALCIUM—1,120 pkgs, Montreal City, Bristol
CEMENT, GASKET—10 ctns, Scanpenn, Helsingfors; 1 ctn, San Clemente, Callao; 19 ctns, City of Adelaide, Durban
ROOF—1 bbl, San Clemente, Port of Spain
RUBBER—8 ctns, City of Adelaide, Capetown
WATERPROOF—1 bbl, 1 dm, San Clemente, Port of Spain
CHEMICALS—2 pkgs, Capulin, Dublin
CLEANER—6 ctns, Scanpenn, Helsingfors; (City of Adelaide) 2 bbls, 1 pkg, 6 ctns, Capetown; 20 dms, 9 bbls, 6 pls, 4 crbys, Durban
COCOA BUTTER—1 cs, Hokuroku Maru, Yokohama
CAKE—640 pkgs, Black Osprey, Amsterdam
COLLODION COTTON—123 pkgs, Black Osprey, Antwerp
CYANIDE—2 dms, Mahout, Sydney
DYEWOOD EXTRACT—25 pkgs, Black Osprey, Antwerp
ENAMEL—13 ctns, City of Adelaide, Capetown
ETHYL FLUID—(Mahout) 82 dms, Melbourne; 41 dms, Sydney; 28 dms, Brisbane; 25 dms, Adelaide; 5 dms, Freemantle; 40 dms, Examiner, Algiers
FILTER SAND—416 bgs, Scanpenn, Gdynia
FLYSPRAY CONC—3 dms, City of Adelaide, Capetown
GASOLINE—3,094 bbls, Winkler, Antwerp; 600 cs, City of Adelaide, East London
GLUE, FLEXIBLE—25 bxs, Tunaholm, Ekilstuna
GREASE, LUBRIC—(Scanpenn) 1 crt, 25 dms, 25 cs, Gothenburg; 9 dms, 110 pls, 21 cs, Copenhagen; 2 dms, Helsingfors; 90 pkgs, City of Flint, London; (Mahout) 5 dms, 1 crate, 2 cs, Sydney; 5 dms, 100 pls, Freemantle; 6 dms, 3 pls, San Clemente, Callao; 20 bbls, Cypria, Lisbon; (City of Adelaide) 55 cs, 40 dms, 45 bkts, Capetown; 115 bkts, Durban; 19 pkgs, Capulin, Liverpool
GUM, SYNTH—92 pkgs, Capulin, Manchester
INSECTICIDE—50 pkgs, City of Flint, London; 64 ctns, City of Adelaide, Lourenco Marques
KEROSENE—(City of Adelaide) 50 cs, East London; 1,000 cs, Durban; 70 cs, Lourenco Marques
LACQUER SURFACER—13 ctns, Mathilda Thorden, Jonkoping
LARD—50 tuls, Tunaholm, Stockholm; 60 tins, San Clemente, Guayaquil; 300 pkgs, Capulin, Manchester
LICORICE PASTE—10 cs, Tunaholm, Malmo; 12 cs, Mormacmar, Rio de Janeiro; 20 cs, City of Adelaide, Lourenco Marques
LINSEED CAKE—2,302 pkgs, Black Osprey, Antwerp
MAGNESIA OXIDE—22 bgs, Tunaholm, Stockholm
MANGANESE ORE—500 bgs, City of Adelaide, Durban
MEDICINAL PREPS—12 pkgs, City of Flint, London; 17 cs, City of Adelaide, Durban
METHYLAMINE—2 pkgs, City of Flint, London
OIL GAS—3,063 bbls, Winkler, Antwerp
LUBRICATING—190 dms, Hokuroku, Osaka; (City of New York) 95 pkgs, Port Elizabeth; 75 pkgs, East London; 4 pkgs, Durban; (Winkler) 8,276 bbls, Antwerp; 16,047 bbls, 1 cs, London; 7,593 bbls, Bre-

OIL LUBRICATING (Continued):—
enhead; 7,253 bbls, Manchester; (Scanpenn) 44 dms, Gothenburg; 5 dms, Copenhagen; 35 dms, Stockholm; 12 ctns, 1 crt, 15 dms, Helsingfors; (Tunaholm) 18 bbls, Abo; 553 pkgs, Viipuri; 1,347 pkgs, Helsinki; 475 pkgs, Turku; 3 dms, Kaunas; 899 pkgs, Gothenburg; 114 pkgs, Helsingfors; 158 pkgs, Sundsvall; 1,762 pkgs, Stockholm; 322 pkgs, Malmo; 296 pkgs, Noorkoeping; (Kota Agoeng) 242 pkgs, Medan; 437 pkgs, Palembang; 65 pkgs, Sibolga; 195 pkgs, Padang; 5 pkgs, Penang; 301 pkgs, Singapore; 706 pkgs, Batavia; 175 pkgs, Semarang; 1,003 pkgs, Sourabaya; 46 pkgs, Macassar; 12 pkgs, Menado; 295 pkgs, Penang; 229 pkgs, Port Swettenham; (City of Flint) 291 pkgs, London; 65 pkgs, Hull; 1,050 pkgs, Hamburg (Mahout) 2,250 dms, Melbourne; 75 dms, Sydney; 175 dms, 1,215 pls, 1,778 pkgs, Fremantle; 329 dms, Sydney; 1,290 dms, Melbourne; (Barbarigo) 466 bbls, Genoa; 117 bbls, Naples; 22 dms, Zagreb; 195 bbls, Fiume; (San Clemente) 2 dms, 1 cs, Callao; 40 dms, Guayaquil; (Montreal City) 16 pkgs, Bristol; 300 pkgs, Swansea; (Cypria) 290 dms, 110 bbls, 270 cs, 1,450 ctns, Lisbon; 6 dms, 2 cs, St Vincent; 9 cs, Cabinda; 110 dms, 146 cs, Bissao; 380 dms, 606 cs, Casablanca; 21 pkgs, Tangier; 34 dms, 43 cs, Gibraltar; 75 bbls, Marseilles; 67 pkgs, Oudja; (City of Adelaide) 10 cs, 1,030 dms, 8 ctns, Capetown; 230 dms, 9 ctns, East London; 615 dms, 340 cs, Durban; 114 dms, 60 cs, Lourenco Marques; 30 dms, Beira; 80 dms, 195 cs, Dar-Es-Salaam; 570 dms, 700 cs, Mombassa; 20 dms, 30 cs, Tanga; 5 cs, Zanzibar; (Tureby) 275 bbls, 255 dms, 2,720 cs, Santos; 4 bbls, 92 dms, 8 cs, Buenos Aires; 30 pkgs, Capulin, Manchester; (Examiner) 3 cs, Casablanca; 5 cs, Tangier; 15 dms, Algiers (Black Osprey) a quantity; 179 pkgs, Antwerp; 100 pkgs, Rotterdam
MINERAL—25 dms, City of Adelaide, Durban
TRANSFORMER—50 cs, City of Adelaide, East London
PAINT—(Mathilda Thorden) 1 dm, 139 ctns, 23 kits, Stockholm; 6 ctns, Norrkoeping; 10 ctns, Gothenburg; 16 ctns, 16 kits, Helsingfors; (Cypria) 13 ctns, 115 kits, Oporto; 17 ctns, 112 kits, Lisbon; (City of Adelaide) 35 ctns, Capetown; 32 pls, Durban
PRIMER—(Cypria) 14 kits, Oporto; 5 kits, Lisbon
THINNER—1 ctn, Mathilda Thorden, Stockholm; (Cypria) 1 dm, Oporto; 1 kit, Lisbon; 1 pkg, Capulin, Manchester
PARAFFIN—546 bbls, Winkler, Antwerp; 425 bbls, Scanpenn, Gothenburg; (Tunaholm) 126 bbls, Mantyluoto; 84 bbls, Stugsund; 83 pkgs, City of Flint, Hamburg; 226 pkgs, Montreal City, Bristol; (Cypria) 200 bgs, Lisbon; 84 bbls, Marseilles; 215 pkgs, Capulin, Dublin
REFINED—250 bgs, Winkler, Antwerp
PETROLATUM—30 bbls, Cypria, Marseilles
PITCH—374 pkgs, Capulin, Manchester
POLISH—(Mathilda Thorden) 30 kits, Gothenburg-Stockholm; 4 ctns, Stockholm; 12 ctns, Scanpenn, Helsingfors; 20 ctns, City of Adelaide, Capetown
POTASH, CAUSTIC—80 pkgs, City of Flint, Hull
PUTTY—147 ctns, City of Adelaide, Capetown
RADIATOR CLEANER—12 ctns, City of Adelaide, Capetown
SOLDER—12 ctns, City of Adelaide, Capetown
RESIN, COALTAR—2 bbls, Cypria, Marseilles
SYNTHETIC—3 cns, Mahout, Melbourne; 1 bx, Tunaholm, Stockholm
RUBBER AGENTS—20 pkgs, Capulin, Manchester
RUTILE—56 dms, Tunaholm, Gothenburg; 72 dms, Barbarigo, Savona
SHELLAC, GASKET—8 ctns, City of Adelaide, Capetown
SHOCK ABSORBER FLUID—40 ctns, City of Adelaide, Capetown
SOAP—300 pkgs, Montreal City, Cardiff; 16 ctns, City of Adelaide, Capetown; 300 pkgs, Capulin, Manchester
SODA ASH—1 dm, Mahout, Sydney
TALLOW—15 cs, San Clemente, Cristobal
TANNERS' BATE—10 dms, San Clemente, Medellen
TANNING MATERIAL—27 bbls, Mahout, Melbourne
TIRE COATING COMP—2 ctns, Scanpenn, Helsingfors
TOILET PREPS—1 cs, City of Adelaide, Capetown
TOP DRESSING—3 dms, City of Adelaide, Capetown
TURPENTINE SUBSTITUTE—30 bbls, City of Adelaide, Lourenco Marques
VALVE GRINDING COMP—2 ctns, Scanpenn, Helsingfors; 6 ctns, City of Adelaide, Capetown
VARNISH—(Cypria) 20 kits, Oporto; 14 kits, Lisbon
XYLOL—50 dms, Mormacmar, Rio de Janeiro

Port Arthur Exports
Clearance Dates

Alexandra Hoegh, May 17; Brittania, May 17; Ceronia, May 18; Davanger, May 19; Ethan Allen, May 19; Inverilen, May 20; Lahavre, May 20; Margaret Lykes, May 14; Solitaire, May 18; Stella Lykes, May 16; Wassenwald, May 15

ASPHALT, LIQ (Wassenwald) 100 dms, Dairen; 35 dms, Shanghai
PETROLEUM—(Margaret Lykes) 18 dms, Balboa; 909 dms, Acajutla; 670 dms, Libertad; (Stella Lykes) 800 dms, Port au Prince; 149 dms, San Juan; 1,476 dms, 482 bbls, Ethan Allen, London
GASOLINE—50 bbls, Stella Lykes, San Juan; 51,293 bbls, Brittania, Thameshaven; 96,477 bbls, Ceronia, United Kingdom; 115,189 bbls, Inverilen, Havre
GREASE, LUBRIC—(Margaret Lykes) 120 cs, 13 dms, Cristobal; 6 ctgs, Panama City; 5 dms, Callao; (Wassenwald) 1 dm, Kobe; 1,100 dms, 5,331 cs, Dairen; 385 dms, 15 cs, Shanghai; 75 ctgs, Stella Lykes, Ciudad Trujillo; 60 bbls, 80 dms, Solitaire, Rouen; 1 dm, 55 ctgs, Ethan Allen, London
KEROSENE—43,961 bbls, Lehavre, Amsterdam
OIL, DIESEL—11,384 bbls, Brittania, Thameshaven
LUBRICATING—20 dms, Margaret Lykes, Callao; (Wassenwald) 2,500 dms, Yokkaichi; 7,973 dms, 1 cs, Dairen; 334 cs, 90 dms, Shanghai; (Solitaire) 8,570 bbls, Manchester; 7,920 bbls, Dagenham; 13,242 bbls, 380 dms, 1 cs, Rouen
LUBRICATING, PALE—(Margaret Lykes) 12 dms, Panama City; 124 dms, Callao; 100 dms, Paita; 1 dm, Stella Lykes, San Juan; 120 dms, 35 cs, Ethan Allen, London
PETROLEUM, CRUDE—92,449 bbls, Alexandra Hoegh, Bordeaux; 79,897 bbls, Davanger, Montreal
WAX DRESSING, LIQ—1 dm, Stella Lykes, Ciudad Trujillo

San Francisco Exports
Clearance Dates

Baja California, May 10; Cape Horn, May 10; Chinese Prince, May 2; City of Los Angeles, May 6; Dinteldijk, May 4; J C Fitzsimmons, May 3; Leme, May 5; Maui, May 3; Nitiei, May 10; Norway, May 6; Pacific Reliance, May 10; Peter Lassen, May 5; Portland, May 4; President Coolidge, May 6; Providencia, May 8; Robert F Hand, May 4; Thorshavn, May 3

ABRASIVE CLOTH—1 cs, Providencia, Santa Rosalia
PAPER—(President Coolidge) 3 cs, Hongkong; 2 bdls, Manila
ACETATE—(Cape Horn) 2 dms, Auckland; 20 dms, Wellington; 3 dms, 6 pls, Lyttelton
ACID, BORIC—50 sks, Maui, Havana; (Cape Horn) 42 sks, Auckland; 20 sks, 2 kegs, Wellington; 10 sks, Lyttelton; 10 sks, Dunedin
ALKALI, TANNERS'—10 bbls, Baja California, La Paz
ALUMINUM POWDER—8 dms, President Coolidge, Manila
AMMONIA, ANHYD—10 cyls, President Coolidge, Manila; 7 cyls, Providencia, Santa Rosalia
ANTI-FREEZE COMP—3 cs, President Coolidge, Manila; 1 cs, Cape Horn, Papeete
APRICOT KERNELS—300 sks, Pacific Reliance, London
ASPHALT—50 bbls, Chinese Prince, Saigon; 462 sks, President Coolidge, Japan; (Cape Horn) 894 dms, Lyttelton; 24 sks, Sydney
GILSONITE—(Portland) 112 sks, Havre; 112 sks, Hamburg; 52 sks, Antwerp; 22 sks, Leme, Italy
BENZEN—(Cape Horn) 50 dms, Melbourne; 10 dms, Sydney
BIOLOGICALS—9 cs, Maui, Panama
BLACK, CARBON—(Cape Horn) 4 cs, Auckland; 4 cs, Wellington
BLUE, LAUNDRY—50 cs, President Coolidge, Manila; 3 cs, Cape Horn, Papeete
BONEMEAL—50 sks, Chinese Prince, Manila
BORAX—2 cs, President Coolidge, Manila; 20 sks, Cape Horn, Wellington
POWDERED—27 sks, Cape Horn, Auckland
BRAKE FLUID—1 cs, Cape Horn, Auckland
CARBON BISULPHIDE—1 cs, Cape Horn, Papeete; 5 cs, Providencia, Santa Rosalia; 56 dms, Baja California, Yavaros
DECOLORIZING—1 bdl, President Coolidge, Hongkong
DIOXIDE—8 cyls, Cape Horn, Papeete
SHELL—100 sks, Dinteldijk, England
CASEIN, GRD—1 sk, President Coolidge, Hongkok
CHEMICALS—40 cs, Chinese Prince, Port Swettenham; (President Coolidge) 3 cs, 3 kgs, 30 dms, Manila; 40 dms, Tientsin; 9 dms, 27 cs, Hongkong; 75 cs, 5 dms, 22 bbls, Shanghai
CHLORINE BLEACH, LIQ—8 dms, Baja California, Topolobampo
CLAY, GRD—40 sks, Cape Horn, Auckland
CLEANER—(President Coolidge) 1 bbl, Manila; 1 cs, Peiping; 3 cs, Shanghai; 5 dms, Hongkong; 2 cs, Cape Horn, Papeete
CLOVES—3 bls, Baja California, Guaymas
COCOA BEANS—12 sks, Cape Horn, Wellington
COPRA—797 sks, Dinteldijk, Panama
DENTAL COMP—6 dms, President Coolidge, Manila
DENTIFRICES—(President Coolidge) 15 cs, Hongkong; 12 cs, Shanghai
DRESSING, BELT—1 cs, Cape Horn, Papeete
EPSOM SALT—200 sks, Baja California, La Paz
FLAXSEED—(Cape Horn) 278 sks, Sydney; 463 sks, Melbourne
FLUX—1 cs, Cape Horn, Papeete
FULLER'S EARTH—3 bbls, President Coolidge, Bangkok
GASOLINE—139,430 bbls, Robert F Hand, Aruba; 30 dms, 1,000 cs, Providencia, Santa Rosalia; 25 dms, Baja California, Topolobampo
NATURAL—7,200 bbls, J C Fitzsimmons, Vancouver
GINSENG—1 cs, President Coolidge, Shanghai
GLAUBER'S SALT—100 sks, Cape Horn, Wellington
GLASS, PLATE—1 cs, Cape Horn, Papeete
GLUCOSE—60 bbls, President Coolidge, Manila; (Cape Horn) 16 bbls, Wellington; 62 bbls, Dunedin
GLUE—4 dms, Chinese Prince, Manila
ANIMAL—1 cs, Cape Horn, Papeete
DRY—5 cs, President Coolidge, Manila
GLYCERIN—200 cs, President Coolidge, Manila
GREASE, LUBRIC—1 cs, President Coolidge, Manila; (Cape Horn) 3 dms, Wellington; 119 dms, Sydney
GUM, ESTER—(President Coolidge) 10 dms, Shanghai; 10 dms, Hongkong
HEPTANE, NORMAL—1 cs, Chinese Prince, Shanghai
HOPS—1 bl, President Coolidge, Manila
INK—1 cs, Cape Horn, Papeete
MIMEOGRAPH—1 cs, President Coolidge, Manila
PRINTING—(President Coolidge) 33 cs, 15 dms, Hongkong; 5 dms, 15 cs, Manila; 3 pls, Shanghai
WRITING—1 cs, Providencia, Santa Rosalia
INSECTICIDE, LIQ—6 cs, Cape Horn, Papeete
POWDER—1 cs, Cape Horn, Papeete
INVALID'S FOOD—5 bbls, President Coolidge, Shanghai
KELP—5 cs, Baja California, Manzanillo
KEROSENE—200 cs, Providencia, Santa Rosalia; (Cape Horn) 200 dms, Melbourne; 200 dms, Sydney
POWER—100 dms, Cape Horn, Sydney
LACQUER THINNER—2 cs, Cape Horn, Papeete
LEAD, RED—25 kegs, President Coolidge, Hollo; 10 kegs, Providencia, Santa Rosalia
WHITE—8 bbls, 400 kegs, President Coolidge, Manila
LIME, HYDRATED—1,200 sks, Cape Horn, Auckland
LUBRICANT—1 cs, President Coolidge, Manila
MILK POWDER—(President Coolidge) 1,950 cs, Singapore; 11 bbls, Shanghai; 18 cs, Hongkong
NAPHTHA, PETROLEUM—(Cape Horn) 1,400 dms, Wellington; 15 dms, Auckland; 60 dms, Wellington; 100 dms, Sydney
NUTMEGS—20 sks, Pacific Reliance, London
OIL, COCONUT—20 dms, City of Los Angeles, Colon; 24 bbls, Cape Horn, Lyttelton; 5 dms, Maui, Havana
COCONUT, REFD—10 dms, Maui, Havana
COTTONSEED—5 dms, Maui, Havana
DIESEL—40,332 bbls, Thorshavn, Japan; 1,400 bbls, Peter Lassen, Puerto Armuelles
ENGINE—5 dms, Leme, France
GAS—5,400 bbls, Chinese Prince, Shanghai
LUBRICATING—(Chinese Prince) 3,500 bbls, Shanghai; 70 dms, Saigon; (President Coolidge) 65 dms, Hongkong; 1 dm, Kobe; 200 dms, Manila; 400 dms, Shanghai; 5 pls, 4 dms, Providencia, Santa Rosalia; (Cape Horn) 1 cs, 180 dms, Wellington; 143 dms, Auckland; 15 dms, Lyttelton; 15 dms, Invercargill; 88 dms, Melbourne; 615 dms, Sydney; 30 dms, Dunedin
MACHINE—1 cs, Cape Horn, Papeete
MINERAL, WHITE—1 dm, Cape Horn, Papeete
PAINT—90 kegs, 9 cs, Cape Horn, Manila; 10 pls, Maui, Colon; 140 kegs, 87 cs, President Coolidge, Manila; (City of Los Angeles) 3 dms, 75 cs, Panama; 43 cs, Colon
ALUMINUM, VEHICLE—5 dms, President Coolidge, Manila
ASPHALT—18 cs, President Coolidge, Manila
COPPER—2 cs, Cape Horn, Papeete
PAINT, PASTE—(President Coolidge), 12 kegs, Kobe; 4 kegs, Tokyo
PARAFFIN—700 sks, President Coolidge, Hongkong; 1 cs, Providencia, Santa Rosalia; 1 cs, Cape Horn, Papeete
PEPPER, BLACK—30 sks, Leme, Peru; 1 sk, Providencia, Santa Rosalia
PETROLEUM—(Cape Horn) 45 dms, Auckland; 375 dms, 2 cs, Wellington; 20 cs, Lyttelton; 25 cs, Dunedin; 60 dms, Sydney; 1 cs, President Coolidge, Bangkok
CRUDE—47,516 bbls, Thorshavn, Japan; 85,-008 bbls, Nitiei, Tokuyama
PHARMACEUTICALS—(President Coolidge) 50 cs, Hongkong; 10 cs, Shanghai
PHOSPHATE—40 pkgs, Cape Horn, Dunedin
POLISH—(President Coolidge) 23 cs, Manila; 1 cs, Peiping; 11 cs, Shanghai
QUICKSILVER—1 cs, President Coolidge, Manila
RESIN, SYNTH—(President Coolidge) 9 dms, Hongkong; 1 cs, Shanghai
ROSIN—(Cape Horn) 147 cs, 25 bbls, Auckland; 5 bbls, Wellington; 5 bbls, Dunedin
GUM—(Cape Horn) 25 bbls, Auckland; 16 bbls, Wellington
WOOD—(Cape Horn) 30 bbls, Wellington; 5 bbls, Napier; 50 bbls, Auckland
SALT—(President Coolidge) 10 sks, Hongkong; 285 sks, Manila (Cape Horn) 200 pkgs, Lyttelton; 200 pkgs, Dunedin
SAND—101 tons, Providencia, Santa Rosalia
SHELLAC—2 cs, Cape Horn, Papeete
SOAP—100 cs, President Coolidge, Manila
FLAKE—6 cs, President Coolidge, Hongkong
LAUNDRY—20 cs, Maui, Cristobal; 500 cs, President Coolidge, Manila
TOILET—(President Coolidge) 2 cs, Peiping; 3,065 cs, Shanghai; 1 cs, Manila; 15 cs, Yunnanfu; 3 dms, Cape Horn, Papeete
SODA ASH—6 bbls, Providencia, Santa Rosalia
BICARBONATE—20 kgs, Cape Horn, Papeete
CAUSTIC—20 dms, President Coolidge, Manila; 6 dms, Providencia, Santa Rosalia
SOLVENT, PETROLEUM—(Cape Horn) 11 dms, Auckland; 26 dms, Wellington; 11 dms, Lyttelton; 1 bbl, Melbourne
STARCH, CORN—1 sk, Cape Horn, Papeete
SULPHUR—200 sks, President Coolidge, Shanghai
CRUDE—100 sks, President Coolidge, Hongkong
FLOWERS—90 sks, Cape Horn, Auckland
GROUND—68 sks, Cape Horn, Auckland
POWDERED—20 sks, President Coolidge, Manila
REFINED—3 bbls, Cape Horn, Wellington
TALLOW—100 dms, Maui, Havana
TAPIOCA—20 sks, Baja California, Guaymas
TOILET PREPS—(President Coolidge) 3 cs, Peiping; 519 cs, Manila; 8 cs, Hongkong; (Cape Horn) 2 cs, Sydney; 1 cs, Wellington; 1 cs, Melbourne; 3 cs, Maui, Panama

Corpus Christi Coast Trade

GASOLINE—107,518 bbls, Vistula, Baytown; 94,129 bbls, Esso Bayway, Baytown
PETROLEUM, CRUDE—(Thermo) 47,228 bbls, Houston; 47,448 bbls, Port Isabel; 46,942 bbls, Dannedaike, Texas City; 111,832 bbls, Charles Pratt, Baytown; 97,642 bbls, Northern Sun, Baytown; 57,589 bbls, Paco, Texas City; 108,245 bbls, Teagle, Baytown; 112,733 bbls, E M Clark, Baytown; 86,809 bbls, Java Arrow, Baytown; 145,212 bbls, G Harrison Smith, Baytown; 117,434 bbls, H H Rogers, Baytown

Los Angeles Coast Trade

DISTILLATE—67,918 bbls, Paul Shoup, Avon
GASOLINE—3,394 bbls, L P St Clair, Seattle; 4,749 bbls, San Diegan, San Diego; 31,800 bbls, Camden, Portland; 47,353 bbls, J J Coney, Richmond; 15,306 bbls, La Purisima, San Diego; 72,054 bbls, Dirigo, Seattle; 3,752 bbls, San Diegan San Diego; 15,584 bbls, La Purisima, Oleum; 68,108 bbls, Mojave, Oakland; 32,328 bbls, Deroche, Paulsboro
KEROSENE—2,231 bbls, La Purisima, Oleum
OIL, DIESEL—54,070 bbls, L P St Clair, Seattle; 1,462 bbls, San Diegan, San Diego; 35,126 bbls, Montebello, Port San Luis; 44,100 bbls, Camden, Portland; 1,034 bbls, La Purisima, San Diego; 1,048 bbls, San Diegan, San Diego; 7,301 bbls, Mojave, Oakland; 16,462 bbls, Deroche, Paulsboro
FUEL—30,926 bbls, L P St Clair, Seattle; 2,387 bbls, Coast Banker, Portland; 7,455 bbls, Stanley A Griffiths, Tacoma; 5,998 bbls, La Purisima, San Diego; 3,015 bbls, Mojave, Oakland; 66,000 bbls, Meton, Baltimore
PETROLEUM, CRUDE—34,072 bbls, La Purisima, Oleum
SOLVENTS, CLEANING—25,127 bbls, Deroche, Paulsboro

Cargo Ship Arrivals
May 27 to June 9
New York

Adrastus	Batavia*	June 6
Alabaman	Portland*	June 1
Alaskan	Tacoma*	June 5
Alberta	Trieste*	June 7
American Farmer	London	June 5
American Merchant	London*	May 30
American Robin	Seattle	June 9
American Shipper	Manchester*	May 31
Angelina	San Juan	May 29
Antigua	Puerto Barrios*	June 1
Aquitania	Southampton*	May 30
Arimasan	Yokohama*	May 29
Bacchus	Maracaibo*	June 2
Banaderos	Santos*	June 5
Batory	Gdynia*	June 2
Belvedere	Trieste*	June 1
Black Condor	Rotterdam*	June 8
Black Eagle	Rotterdam*	June 5
Black Tern	Rotterdam*	May 30
Boniface	Babia*	June 6
Borinquen	Trujillo*	June 5
Caledonia	Glasgow*	June 4
Cape Howe	Buenos Aires*	June 8
Carinthia	Liverpool*	May 30
Carolina Thorden	Kotka*	June 9
Chiriqui	Port Limon*	June 4
City of Dalhart	Hollo*	June 3
City of Johannesburg	Calcutta*	June 7
City of Norfolk	San Francisco*	June 6
City of San Francisco	San Francisco*	May 30
Clara	Trieste*	May 31
Coamo	Trujillo*	May 29
Columbus	Bremen*	June 9
Cristobal	Cristobal*	May 29
Dorothy Luckenbach	Seattle*	June 2
Eastern Prince	Buenos Aires*	June 7
Eisenach	Hamburg*	May 29
Europa	Bremen*	June 1
Excello	Constanza*	June 5
Exochorda	Beirut*	June 6
Felix Taussig	Portland*	June 5
Fido	Dunkirk	May 31
Flora	Maracaibo*	June 5
Fort Amherst	St John's*	May 31
Georgic	Havre*	June 4
Goolistan	Buenos Aires*	June 2
Gripsholm	Gothenburg	May 29
Gudrun Maersk	Istanbul*	June 8
Harpoon	Seattle*	June 8
Henri Jaspar	Antwerp	May 31
Ile de France	Havre*	June 5
Indiana	Havre	May 31
Jamaica	Barranquilla*	June 8
Jean Jadot	Antwerp	June 9
Kahuku	Honolulu*	June 5
Kaipara	Sydney*	June 6
Karpfanger	Sundsvall*	June 3
Kexholm	Gothenburg	May 29
Kolsnaren	Uleaborg*	June 8
Kongo	Manila*	June 1
Laconia	Liverpool*	June 5
Laila	Valparaiso*	June 1
Lihue	Honolulu*	June 2
Louisianan	Portland*	June 8
Maine	Seattle*	June 5
Massamar	San Pedro*	June 9
Mexican	Tacoma*	May 31
Mexico	Vera Cruz*	May 30
Montgomery City	Honolulu*	June 1
Montreal City	Fowey*	June 2
Mormacport	Copenhagen*	May 30
Mormacrio	Buenos Aires*	June 5
Mormacsun	Kotka*	June 8
Musa	Cristobal*	May 31
Nea Hellas	Piraeus	May 31
Nieuw Amsterdam	Rotterdam*	June 8
New York	Hamburg*	June 2
Norden	Yokohama*	June 7
Nordfarer	Buenos Aires*	June 5
Normandie	Havre*	May 29
Norefjord	Seville*	May 29
Nozima	Manila*	June 8
Orizaba	Vera Cruz*	June 6
Oslofjord	Oslo*	May 29
Panama	Cristobal*	June 5
Panuco	Tampico*	June 4
Platano	Cristobal*	June 7
Pomona	San Francisco*	June 2
Ponce	La Romana*	May 31
President Adams	Honolulu*	June 6
President Harding	Hamburg*	June 3
Puerto Rico	Ponce*	May 31
Queen Mary	Southampton*	June 5
Quirigua	Barranquilla*	June 1
Ragnhild	Rotterdam*	June 4
Rex	Benoa*	June 1
Rosario	San Juan*	June 5
Rotterdam	Rotterdam*	May 30
Santa Barbara	San Antonio*	June 6
Santa Elena	Curacao*	June 5
Santa Lucia	San Antonio*	May 31
Santa Paula	Curacao*	May 29
Scanstates	Kotka*	May 31
Schodack	Dunkirk*	June 3
Seatrain Havana	New Orleans*	June 6
Seatrain New York	New Orleans*	May 29
Stal	Istanbul*	May 30
Steel Exporter	Honolulu	June 6
Stavangerfjord	Oslo*	June 6
Sterneberg	Port Alberni*	June 6
Tai Hung Yang	Osaka*	May 31
Taubate	Santos*	June 2
Thode Fagelund	Santos*	May 31
Thurland Castle	Manila*	June 4
Uruguayo	Santos*	June 7
Vermar	Seattle*	June 3
Vulcania	Trieste*	June 8
Washington	Hamburg*	June 8
Zaandam	Rotterdam	June 5

* And other ports

Recent Charters

MOLASSES—4,402 tons, S S Myriam, Cuba to United Kingdom, Continent, 15s 6d; June
ORE—7,500 tons, S S ——, Rio de Janeiro to Rotterdam, 16s 3d; 1s load is discharge; June
9,000 tons, S S Konstantinos, Durban to Rotterdam, 16s 6d; 3d trimming; June
PETROLEUM—2,644 tons, S S Athene, clean, Constanza to Bombay, £7,250; July
3,686 tons, S S Solheim, Aruba to Teneriffe, 6s 9d; June
2,682 tons, S S Jenny, lubricating oil trade twelve months, commencing September, 7s 6d
4,026 tons, S S Ima, dirty, Gulf to Buenos Aires, 12s 9d; July
9,500 tons, S S Belita, dirty, Venezuela, West Coast Italy, 12s 6d; June
—— tons, S S ——, dirty, Ecuador-Donges, 15s

Manufacturing Chemists Elect duPont President

—*Continued from page* 37

ment of a 25 percent deposit on the invoice value.

Public Relations

Since the release of "Facts and Figures of the American Chemical Industry" in September, 1937, part II of *Chemical and Metallurgical Engineering*, we have distributed about 1,400 copies. A new revision of "Facts and Figures of the American Chemical Industry" is in the course of preparation for release this Fall, and

August Kochs
Member M.C.A. Executive Committee

we feel that this will serve a useful function in making available to the lay public and our industry significant reference material.

We have substantial statistical information on chemicals. However, there are certain phases of our industry on which there is a notable deficiency.

In order to determine "where the chemical dollar goes," we have made special arrangements with the National Industrial Conference Board to cómpile data from a questionnaire, sent out from the Washington office to each member, showing the distribution of the chemical dollar. Your schedules are to be mailed to the Board, which will handle them in complete confidence, the original to be returned to you and only the final compilaton of the ndustry to be revealed.

We believe this pertinent information is extremely desirable. It will authoritatively show, for example, the percent of the value of our sales expended for taxes, wages, overhead, factory costs, capital charges, etc., and I am asking for your full cooperation in expediting your report to the National Industral Conference Board.

Washington Office

The addition of Mr. M. F. Crass to our staff a year ago has enabled our Washington office to assume more responsibilities and increase its direct services to our members. Mr. Crass has devoted most of his time to our technical committee work, of such importance during this last year on account of the general revision of transportation regulations on dangerous articles. This has enabled Mr. Watson to spend more time on other pressing matters, including State legislation. We feel that our Washington office has effectively carried heavy responsibilities during an extremely active year.

I want to reiterate that your executive committee has for its principal objective individual service to you and the chemical industry as a whole. Your committee welcomes suggestions at all times from any member of the association, and in conclusion I want to express, on behalf of the executive committee, our appreciation for the support of the members.

Secretary Watson read the report of the treasurer for J. W. McLaughlin, who was unable to be present because of illness.

Foreign Affairs

A comprehensive statistical analysis of factors influential in the political situation in Europe was given by W. B. Bell, of the American Cyanamid Company. After commenting on the possible effects on American industry in the event of war abroad, Mr. Bell declared that, it was his opinion that war would not be a help but would be a calamity that would injure nothing more than it would American industry.

Mr. Bell averred that American industrialists were not in favor of war, did not want war. He said that it was desirable that lies to the contrary be promptly and effectually nailed. And he concluded:—"Our prayer should be, 'God preserve us from the calamity of war.'"

Employer-employee relations were the subject of a commentary by Henry Clifton, jr., attorney associated with Walter Gordon Merritt. Mr. Clifton stressed the importance of the human equation, the working of the human mind, in connection with the development and maintenance of satisfactory relations. He commented on various aspects of the labor relations, wage-and-hour, and Walsh-Healey laws as they bear upon the relations of employers and employees.

Research and Progress

Defining the practicable value of research as "trying to find out what you will do when you can't do what you are doing now," Charles F. Kettering, vice-president of the General Motors Corporation, declared that no other industry has the capacity and opportunity for experimental work that the chemical industry has and displays. He said that chemical developments have been and are a most potent influence in making progress possible in all industry, pointing out that all things—steel, rubber, petroleum, plastics, and others—fundamental in the automotive industry are in truth chemical's and have been improved by the application of chemistry.

In the opinion of Mr. Kettering human progress is handicapped by the extent to which snap judgment prevails over solemn thought, or instinctive reactions take the place of intelligent consideration. He pictured his point with a recital of the experiments of a Russian physician-psychologist with his dog in the perplexities of associative perceptions, and concluded that there was a deal of unnecessary worrying over things that never would happen, because of failure to think things through.

Pleasingly, but illuminatively Mr. Kettering told of the various concepts of the purpose of research—publicity, gambling, quiet, logical study of trends,

Clyde C. Marlatt
Member M.C.A. Executive Committee

and planning for the future—and emphasized the importance of experimentation with a long-range view. He does not consider the social significance of research to be of importance because it is seldom possible to know whether the results of experimental undertaking will work. He related as illustrating the work of developing high-octane motor fuels, satisfactory lubricants, and lacquer finishes, puzzling at times, amusing at others, largely because these things were not even thought of in the automotive industry a relatively few years ago. Success, he said, was reached in spite of this.

It was his belief that research is best kept separate from production, but in advance of it, without authority or immediate responsibility. He felt that too much money available for research was perhaps as bad as too little, because adequate funds were likely to induce dispersion of efforts among various projects and result in the finishing of no one job. Faith and intelligent operations he considered essential.

The purpose of research has shifted, Mr. Kettering said, since its first extensive application to industry and has become less consultive and more prospective, looking to the future and furnishing in advance data necessary for progressive problems. Pure science, he said, differs from industrially applied science "by about twenty-five years." But, he explained the necessity of psychological and economic considerations for the practical application of the findings of science. He had no faith in too large expectations from experimentation, and said that the search for economic "perpetual motion" would doubtless be defeated by the same influence that had wrecked the hopes of searchers after mechanical perpetual motion—"friction within the apparatus."

The association this evening joined with the Synthetic Organic Chemical Manufacturers Association in a banquet, with August Merz, of the Calco Chemical Company, president of the S.O.C.M.A., acted as toastmaster, and Dr. Robert C. Clothier, president of Rutgers University, as guest-speaker.

Tomorrow the two associations will stage their joint annual golf tournament.

Chemical Exports Up Sharply in April

—*Continued from page* 3

Among the pigments, exports of carbon black increased from 15,000,000 pounds to 23,000,000 pounds during the periods under review.

Classifications showing little change in April compared with the corresponding month of last year included crude drugs, shipments of which were recorded at $82,350, and naval stores, $1,144,000. Among the naval stores, exports of rosin decreased from 83,856 barrels in April, 1938, to 72,226 barrels during the current April, but shipments of turpentine increased from 691,600 gallons to 1,021,600 gallons during these periods.

Items and classifications recording export decreases in April compared with April, 1938, included fertilizers, shipments of which decreased from $1,520,000 to $1,161,000; industrial explosives, from $311,000 to $285,000; soaps, from $252,000 to $205,000; toilet preparations, from $595,500 to $560,000; printing inks, from $77,000 to $64,000; sulphur, both crude and refined, from $1,163,000 to $979,000; and coaltar products, from $1,024,000 to $990,000, according to the chemical division.

Imports of coaltar products were valued at $4,129,000 in April, compared with $1,256,000 a year ago. This sharp gain was due to heavier imports of intermediates which increased from 60,000 pounds to 1,075,000 pounds; and colors, dyes and stains, from from 184,000 pounds to 1,468,000 pounds, preliminary statistics indicate.

April imports of drying oils and drying oil seeds advanced approximately 10 percent to a total valuation of $3,000,000 compared with the corresponding month of last year. In this group imports of flaxseed increased from 1,024,000 bushels to 1,416,000 bushels; perilla oil, from 2,552,000 pounds to 2,598,000 pounds; and oiticica oil, from 266,500 pounds to 1,107,000 pounds. Imports of tung oil during these periods, however, decreased from 10,621,000 pounds to 9,526,000 pounds.

Other items and classifications on the chemical and related product import list which recorded gains in April compared with last year, included medicinal materials which increased in value from $380,500 to $826,000; industrial chemicals, from $1,159,000 to $2,202,000; fertilizer materials, from $3,580,000 to $4,370,000; vegetable dyeing and tanning materials, from $377,000 to $428,500; essential oils, from $332,000 to $414,000; gum, resins, and balsams, from $944,000 to $1,338,000; tankage, from $74,000 to $209,500; beeswax, from $47,000 to $80,000, according to preliminary statistics.

Items and classifications imported in smaller amounts during these periods included codliver oil, which decreased in value from $225,000 to $140,000; glue stock, from $252,000 to $214,000; crude botanicals, from $625,000 to $574,000; agar agar, from $44,000 to $19,000; and industrial explosives, from $115,000 to $83,000, according to the chemical division.

Chemists' Club Golf Reservations Swelling

An unprecedented number of reservations are reported to have been made for the golf tournament for members of the Chemists' Club and their guests, to be held June 8, at the Winged Foot Golf Club, Mamaroneck, N. Y. Six events, in which twelve prizes will be awarded, and an additional surprise feature, have been planned.

A general entry fee for the occasion, $7.50 per person, covers greens fee, dinner, prizes and miscellaneous. Those desiring to attend the dinner only, at 7 p.m., can do so for $2.50; those wishing to play golf only and not stay for the dinner, can do so for $5. All reservations should be made with D. W. Thompson of the Mathieson Alkali Company, this city.

Electroplaters to Meet In Asbury Park June 19

Discussions of the outstanding developments in the electroplating industry during the past year, and the presentation of more than a score of important papers is planned for the twenty-seventh annual meeting of the American Electroplaters' Society, in the Berkeley-Carteret hotel, Asbury Park, N. J., June 19 to 22. A feature of the convention is the contribution of four papers by representatives of the Electro Depositors Technical Society of London, England. Among the papers to be presented are:—

"Notes on Adhesion of Electroplated Coatings," A. W. Hothersall, London, England.

"Recent Developments in British Plating Practice," C. F. Francis-Clark.

"Chemical Methods for Testing Thickness of Metallic Coating," S. G. Clark.

"Review of Electro Plating Methods in France," M. Ballay, consulting engineer, Paris, France.

"The Role of Diffusion in Electroplating Process," Dr. J. T. Burt-Gerraus, Toronto University, Toronto, Can.

"Electrodeposition of Black Molybdenum Finishes," R. O. Hull, of the E. I. duPont de Nemours & Co., Grasselli Chemicals Department, Cleveland, Ohio.

"Chromium Plating Dies and Gauges," Dr. D. A. Cotton, director of research, of the Delco Remy division of General Motors Corporation, Anderson, Ind.

"Anodic Coatings of Aluminum," Dr. Junius D. Edwards, assistant director of research, Aluminum Company of America, New Kensington, Pa.

"The Filtration of Electroplating Solutions," Dr. Walter R. Meyer, New York.

"Addition Agents in Electroplating Processes," Dr. Frank C. Mathers, professor of electrochemistry, University of Indiana, Bloomington, Indiana.

"A Review of Finishing Methods," Gustav Klinkenstein, vice-president and technical director of Maas and Waldstein Company, Newark, N. J.

"Agitation," Donald Wood, of Reed and Barton, Taunton, Mass.

"Adhesion of Electrodeposits," Frank C. Mesle, of Oneida Limited, Oneida, N. Y.

"The Effect of Certain Wetting Agents Upon Nickel Deposit," C. B. F. Young, New York.

"Porosity Tests for Nickel Coatings on Steel," P. W. C. Strausser, Bureau of Standards.

"Drooping Tests for Zinc and Cadmium Coatings on Steel," A. Brenner, Bureau of Standards.

"Further Study of Measurements of pH in Alkaline Plating Solutions," M. R. Thompson, Bureau of Standards.

"A Study of Silver Plating for Industrial Applications," C. S. Love and A. C. Simon, of the metallurgical division of the Bureau of Standards.

Chemical Mixtures Duty Ruling Reversed

—*Continued from page* 3

consideration of the case since he had been connected with the government's side of it in his former capacity of Assistant Attorney General, and the original decision was by a vote of 3 to 1, with Judge Bland dissenting.

On reconsideration, Judges Bland and Lenroot agreed with the government's contention that in re-enacting paragraph 5 unchanged in the tariff act of 1930, Congress gave assent to the court's earlier decision under the 1922 act. Judges Garrett and Hatfield, however, adhered to the November decision. As a result of this deadlock the court reached no conclusion, and since the November decision had been vacated the ruling of the customs court was allowed to stand. The effect of this was to reverse the November decision, at least until such time as a similar question is presented to the court in a case in which all five judges can participate.

Eastern Gas Associates Adds Forker and Ruffin to Board

J. N. Forker, a vice president and director of Koppers Company, in charge of the tar and chemical division, has been appointed to the board of trustees of Eastern Gas and Fuel Associates, Boston. E. S. Ruffin, Jr., assistant secretary and a member of the legal department of Koppers Company, also has been appointed to the board as assistant secretary.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

SALES REPRESENTATION can be afforded manufacturers of limited lines, with established trade in Philadelphia district, who find maintaining own sales force contact uneconomical. D. F. Haverstick Dep't. 328 Chestnut street, Philadelphia, Pa.

CALIFORNIA FIRM interested in acting as west coast branch factory for paint, and allied materials. Movie, aviation, industrial, industries accounts can be obtained. Own warehouse and office space available. "Volsonite," P. O. Box 628, Pasadena, California.

Equipment Offered

LIQUIDATION—Machinery and equipment of Amalgamated Dyestuffs plant at Newark, N. J.—filter presses, dryers, kettles, tanks, lead-lined mixing tanks, pumps, grinders, hoists, machine tools, etc. Priced to move quickly. Representative on premises or inquire Consolidated Products Co., Inc., 15-17-19 Park Row, New York City.

FROM PLANT liquidation:—Six 1,000 gals. closed, agitated jack. kettles; 3,000 pound jack., horiz. steel powder mixer, 20 h.p. motor driven; Tolhurst 32-inch rubber lined centrifugal; two 6-foot diameter Buffalo vacuum crystallizers; jacketed agitated vacuum stills, 25 to 2,000 gals., glass lined and steel; glass lined and steel storage tanks; 3 ft. by 15 ft. rotary vacuum dryer; Hardinge mill, 6 ft. by 36 in.; pebble and jar mills to 250 gals. capacity; filter presses to 36 in. square; Stedman 42 in. disintegrator; tablet machines, ½ in. to 2 in., single punch and rotary. Mixers, crushers, pulverizers, roller mills, etc. Send for complete listings. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND what you want right in New York City. Pony mixers, post mixer, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR SALE—Four Ross, Day, 12 in. by 30 in. roller mills; two Abbe 275 gal. motor driven pebble mills; one porcelain lined, one silex lined, three 100 gal. lead mixers; one 40 gal. Ross pony mixer. Priced for quick sale. BOX 426, Oil, Paint and Drug Reporter.

Equipment Wanted

USED EQUIPMENT wanted for complete laboratory in the paint, varnish, and pigment industry. State condition and price. United States Color Company, 28th and Sisson streets, Baltimore, Md.

Factories Offered

MODERN FACTORY, one story brick, 145x204, concrete floor, excellent light, ample headroom, steam plant, railroad siding, yard. Unrestricted district. New Jersey—5 miles to Manhattan. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Materials Offered

FOR SALE—500 tons each ground mica, ground garnet, rhodocrosite, arsenopyrite, wollastonite, vanadium concentrates 10 percent V205, fluorite, apatite 200 tons carnotite rich in uranium, 2,000 pounds columbite, 200 pounds ferroboron, 15 pounds tantalum carbide. BOX 425, Oil, Paint and Drug Reporter.

Positions Wanted

POSITION WANTED—Paint man, 20 years' experience in paint and enamel manufacturing, desires position as superintendent, assistant or production foreman. Best of references. BOX 416, Oil, Paint and Drug Reporter.

COMPETENT SALESMAN. Graduate chemist. Open for sales position with paint or raw material manufacturer. Thoroughly experienced. Now employed. Available immediately. BOX 419, Oil, Paint and Drug Reporter.

PAINT and varnish technician wants position as superintendent or factory manager with small reliable concern. Many years practical and technical experience in the production of industrial, maintenance, white goods, marine paints and varnishes, shelf goods and architectural finishes. BOX 420, Oil, Paint and Drug Reporter.

UNUSUAL OPPORTUNITY exists for reputable manufacturer industrial finishes to secure the services of a young man exceptionally well versed on formulation, application and baking of coatings used in tin decorating industry. This young man could best serve a company as a field representative due to his knowledge and personal acquaintances in this field. BOX 421, Oil, Paint and Drug Reporter.

Positions Wanted

TECHNICAL GRADUATE experienced in sales, production and research. Pyroxylin, rubber, synthetic coated fabrics, rubber compounding, adhesives, latex, etc. Age 35. Desires connection in sales or technical sales work. BOX 422, Oil, Paint and Drug Reporter.

CHEMIST—College graduate; post-graduate course in paint, varnish, lacquer technology—able to analyze raw materials, do laboratory tests and formulating. Experience more important than salary. BOX 423, Oil, Paint and Drug Reporter.

SALESMAN, experienced selling industrial chemicals, agricultural chemicals, insecticides, chemical specialties, oils, solvents, pigments, dry colors, dyestuffs, etc., with following in eastern, midwestern and southern territory, now open for position. BOX 424, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also purchase complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

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Markets at Other Centers

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rather low. Bone materials have been in fair demand, with few price changes. Tankage is slow.

BLOOD.—Principal grade, $2.65 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.50 to $3.60 and 10c.; hoof meal, $2.65 to $2.75; liquid stick, $2.25 to $2.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $25 to $27; 3 and 50 percent, $27; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $24 to $26; beef cracklings, soft pressed, $42.50 to $45; pork cracklings, soft pressed, $52.50 to $55; hard pressed cracklings, per unit of protein, 85c. to 90c.

San Francisco, May 31.—With California's Spring fertilizer season now past history, there remained in the market last week some insignificant reordering of chemical products. All in all, however, the situation was rather quiet. Some organic products continued to show up with a certain firmness, notably tankage and fish meal. Both became scarce, with suppliers stating that stocks were disappearing. California sardine meal advanced to $45 per ton, San Francisco/Monterey basis, with light stocks in evidence, while wet rendered tankage, moving at $3.25 and 10c, was not freely offered. Blood was slow.

Ruling prices are:—

SULPHATE OF AMMONIA—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and or Los Angeles Harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30 per ton ex vessel or warehouse.

SUPERPHOSPHATE—Domestic superphosphate is quoted at 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE—Quoted at $40 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A. Inland points, delivered, $1 per ton extra. Eleven percent N. and 48 percent P.A. material quoted at $53 per ton, cars, port basis and $1 per ton extra for delivery inland.

FISH MEAL—Spot California sardine meal, old season, is scarce and strong, with sellers quoting on the basis of $45 per ton, f.o.b cars, San Francisco and/or Monterey. Business has been done on this basis.

TANKAGE—Unground, fertilizer grade tankage, wet rendered, from domestic packing houses, quoted on the basis of $3.25 and 10c. per unit-ton, f.o.b. cars, South San Francisco. Dry rendered, ground, quoted at $42.50 per ton, f.o.b. cars, South San Francisco; unground, dry rendered, quoted at 70c. to 72½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL—Domestic blood meal is slow; quoted on the basis of $2.65 per unit, f.o.b. cars, Los Angeles.

BONE MEAL—Domestic steamed bone meal, depending upon quality and seller, quoted at from $25 to $29 per ton, delivered Pacific Coast ports.

Florida Phosphates Nationalization Looms

—*Continued from page 5*

the United States. The magnitude of the probable phosphate resources in Florida was stressed by the committee in a preliminary report, issued in January, which called attention to the inadequacy of earlier estimates and added: "Just how much larger the reserves of high-grade rock are, no one knows at present."

Testimony of witnesses at committee hearings, in the State, showed that at least half of Florida includes a geologic stratum, known as the "Hawthorne formation," which contains phosphate. In many instances, committee records show, borings by the State road department for foundations of bridges revealed unsuspected deposits of phosphate; in one case fifteen pits dug into the supposed limestone bottom showed five pits with very high-grade rock, five with medium-grade, and five with low-grade deposits of the mineral.

Canadian Pests' Control Act Is Amended

—*Continued from page 3*

manufacturer, importer or vendor on whose application the pest control product was registered must be shown on the label. As a safeguard against false guarantee and under-strength of agricultural pest control products, failure to meet the guarantee as stated on the packages or labels is made an indictable offense.

Any pest control product advertised, sold or offered for sale in Canada contrary to the provisions of the act or regulations may be seized and detained by the Canadian Department of Agriculture until full compliance with the act has been effected. The annual fee for renewal of a registration number has been reduced from $20 to $5, according to the office of the American commercial attache in Ottawa.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Bismuth Salts:—Agency; Saoloniki, Greece (2020).

Bronze Powder:—Purchase; Paris, France (2048).

Camphor:—Agency; Saoloniki, Greece (2020).

Casein:—Purchase; Ondon, England (1993).

Chemicals:—Agency; Batavia, Java (1995).

Chemicals, industrial:—Agency; Barranquilla, Colombia (2069).

Chemicals, laboratory:—Agency; Guayaquil, Ecuador (2066).

Formaldehyde:—Agency; Saoloniki, Greece (2020).

Iodine:—Agency; Saoloniki, Greece (2020).

Medicines, proprietary:—Agency; Cairo, Egypt (1992).

Medicines, proprietary:—Agency; Monterrey, Mexico (2051).

Oil, mercerizing:—Purchase; Lisbon, Portugal (1996).

Pharmaceuticals:—Agency; Paris, France (1994).

Phenol:—Agency; Saoloniki, Greece (2020).

Resins, synthetic:—Purchase; Baghdad, Iraq (1997).

Quinine:—Agency; Saoloniki, Greece (2020).

Vanilin:—Agency; Saoloniki, Greece (2020).

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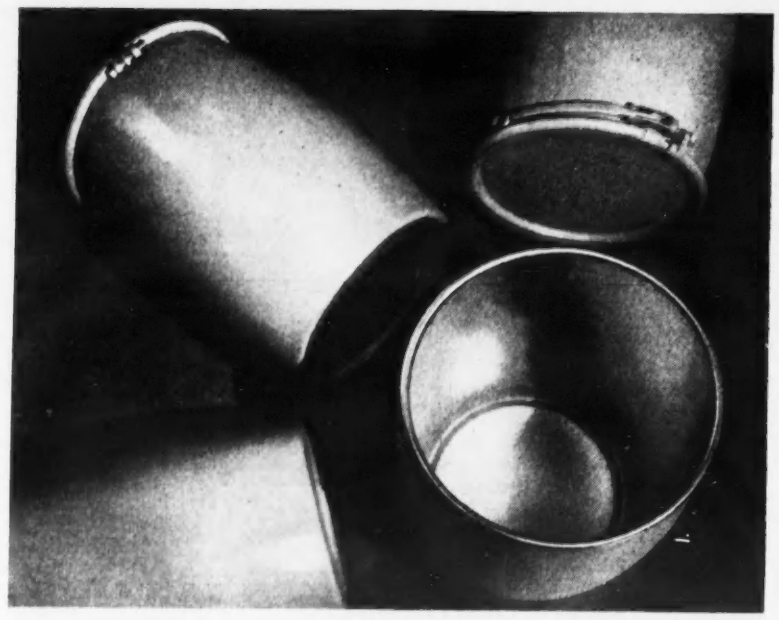

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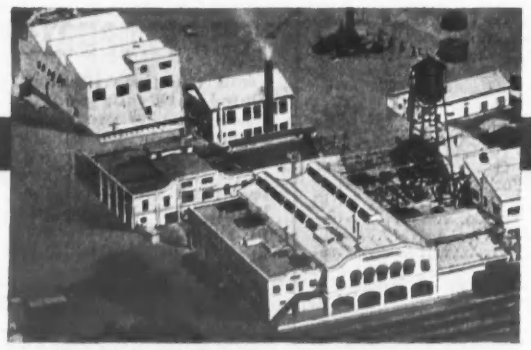

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